

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> LUM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MENOMONIE	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 895	<u>TDZE</u> 894	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/20/2019
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1E
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PAMIE	IAF	RDKEE		TF	FB	1.00	307.36	3.50	3600
RDKEE		TUSKR		TF	FB	1.00	307.35	3.00	3600
LADDN	IAF	PRINZ		TF	FB	1.00	243.42	3.50	3600
PRINZ		TUSKR		TF	FB	1.00	243.43	3.25	3600
TUSKR	IF	EQNAC		TF	FB	1.00	268.51	3.48	2800
EQNAC	FAF	PENIY/2.35 NM TO RW27		TF	FB	0.30	268.45	3.52	
PENIY/2.35 NM TO RW27		RW27	MAP	TF	FB	0.30	268.45	2.35	
RW27	MAP	1144 MSL		CA			268.45		
1144 MSL		HATEL		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT HATEL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT TUSKR
- FAC: 268.45 FAF: EQNAC DIST FAF TO MAP: 5.86 DIST FAF TO THLD: 5.86
- MIN ALT: TUSKR 3600, EQNAC 2800, PENIY/2.35 NM TO RW27 1680
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.66 GS ANT: MM: IM:
- MIN GP INCPT: 2800 GP ALT AT PFAF: EQNAC 2800
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.2
- MSA FROM: RW27 3200



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 36 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 088.15 INBOUND.
CHART FAS OBST: 1073 TREE (55-131870) 445259N/0914906W.
CHART VDP AT 1.27 NM TO RW27.
WAAS CHANNEL # 97604
REFERENCE PATH ID: W27A
CHART MANDATORY 3600 AT RDKEE.
CHART MANDATORY 3600 AT PRINZ.
LTP HAE: 241.4 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1144	3/4	250	1144	3/4	250	1144	3/4	250	1144	3/4	250			
LNAV/VNAV DA	1288	1 1/8	394	1288	1 1/8	394	1288	1 1/8	394	1288	1 1/8	394			
LNAV MDA	1340	1	446	1340	1	446	1340	1 3/8	446	1340	1 3/8	446			
CIRCLING	1400	1	505	1520	1	625	1740	2 1/2	845	1800	3	905			



CHANGES - REASONS

1. TERMINAL ROUTES RDKEE TO TUSKR UPDATED FROM COURSE 307.31 TO 307.36 - RELOCATED FIX TUSKR.
2. TERMINAL ROUTES PRINZ TO TUSKR UPDATED FROM COURSE 243.39 TO 243.43 - RELOCATED FIX TUSKR.
3. TERMINAL ROUTES TUSKR TO EQNAC UPDATED FROM 268.54/3.50 TO 268.51/3.48 - EQNAC FIX RELOCATED TO ALIGN WITH RUNWAY.
4. TERMINAL ROUTES EQNAC TO PENIY UPDATED COURSE AND DISTANCE FROM 268.46/3.85 TO 268.45/3.52 - PFAF RELOCATED, SDF RELOCATED AND ALT CHANGE FROM 1560 TO 1680.
5. TERMINAL ROUTES PENIY TO RW27 UPDATED COURES AND DISTANCE FROM 268.46/2.00 TO 268.45/2.35 - PFAF RELOCATED, SDF RELOCATED AND ALT CHANGE FROM 1560 TO 1680.
6. TERMINAL ROUTES RW27 TO 1144 MSL UPDATED FROM COURSE 268.46 TO 268.45 - PFAF AND SDF RELOCATED.
7. PROFILE LINE 3 FAC UPDATED FROM 268.46 TO 268.45 - PFAF AND SDF RELOCATED.
8. PROFILE LINE 4 MIN ALT UPDATED PENIY FROM 1560* TO 1680 - NEW CONTROLLING OBSTACLE.
9. PBN REQUIREMENTS NOTE UPDATED FROM RNP APCH TO RNP APCH - GPS - IAW 8290.19K 8-6-8 MEMO.
10. NOTES UPATED CHART NOTE FROM CIRCLING RWY 18, 36 NA AT NIGHT TO CIRCLING RWY 36 NA AT NIGHT - NEW EVAL SHOWED NO PENETRATIONS TO RWY 18.
11. ADDITIONAL FLIGHT DATA REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED.
12. ADDITIONAL FLIGHT DATA REMOVED * AND * LNAV ONLY - NO LONGER REQUIRED.
13. ADDITIONAL FLIGHT DATA UPDATED CHART FAS OBST FROM 1139 TREE 445301N/0914912W TO 1073 TREE (55-131870) 445259N/0914906W - NEW CONTROLLING OBSTACLE.
14. ADDITIONAL FLIGHT DATA CHART VDP FROM 1.45 NM TO RW27* TO 1.27 NM TO RW27 - LNAV MDA IAW THE 8260.3G, 2-6-5 B (1) & FORMULA 2-6-5.
15. MINIMUMS UPDATED ALTERNATE FROM STANDARD - CAT C 1000-2 3/4 TO STANDARD - CAT C 900-2 1/2, CAT D 1000-3 - NA WHEN LOCAL WEATHER NOT AVAILABLE, ADDED CAT D AND CIRCLING MIN UPDATED AND IAW 8260.19K IMPLEMENTATION LETTER.
16. MINIMUMS LNAV/VNAV ALL CATS UPDATED FROM 1470/576, 1 5/8 TO 1288/394, 1 1/8 - NEW CONTROLLING OBSTACLE.
17. MINIMUMS LNAV ALL CATS UPDATED FROM 1400/506 TO 1340/446 - NEW CONTROLLING OBSTACLE.
18. MINIMUMS CIRCLING UPDATED CAT A FROM 1420/525 TO 1400/505, CAT B FROM 1800/905, 1 1/4 TO 1520/625, 1, CAT C FROM 1820/925, 2 3/4 TO 1740/845, 2 1/2, ADDED CAT D - NEW CONTROLLING CIRCLING MINS UPDATED AND FPT/ATC REQUEST.
19. FAS DATA UPDATED FPAP LAT/LONG FROM .5125/.7315 TO .5015/.7325 - UPDATED SURVEY DATA.
20. FAS DATA UPDATED CRC REMAINDER FROM 69E8A497 TO 921E67F8 - UPDATED TCH AND FPAP COORDS.
21. FAS DATA UPDATED TCH FROM 45.0 TO 40.2 - MATCH VGSI DATA.
22. FAS DATA UPDATED LTP/FTP LAT LONG FROM .5230/.4080 TO .5225/.4090 - UPDATED SURVEY DATA.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZMP, AMGR, WI AV DEPT.

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

JOSHUA DUGAN

OFFICE

DATE

AJV-A433

02/04/2026

APPROVED BY

ROBERT G HAMILTON

OFFICE

DATE

TITLE

AJV-A433

07/30/2026

MANAGER



AIRPORT ID
LUM

PROCEDURE NAME
RNAV (GPS) RWY 27

ORIGINAL/AMENDMENT
2

CITY
MENOMONIE

STATE
WI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUM
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	445327.5225N
LTP/FTP LONGITUDE	0915126.4090W
LTP/FTP ELLIPSOIDAL HEIGHT	+02414
FPAP LATITUDE	445326.5015N
FPAP LONGITUDE	0915331.7325W
THRESHOLD CROSSING HEIGHT (TCH)	00040.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	921E67F8
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02721
FPAP ORTHOMETRIC HEIGHT	+02721



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LUM	RNAV (GPS) RWY 27	2	MENOMONIE	WI	895	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM PAMIE **TO** RDKEE

RNP 1.00 **DISTANCE** 3.50 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-000757)	445258.50N/0913513.56W	1464	500	125	5E	1000				AT1136	3600
TERRAIN	445018.00N/0913051.00W	1026 (1000)								AS1500	2500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM RDKEE **TO** TUSKR

RNP 1.00 **DISTANCE** 3.00 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-000757)	445258.50N/0913513.56W	1464	500	125	5E	1000				AT1136	3600
TERRAIN	445318.00N/0913345.00W	1062 (1100)								AS1500	2600

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



INITIAL

FROM

LADDN

TO

PRINZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.50										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001105)	445542.80N/0913230.73W	1534	20	3	1A	1000				AT1066	3600
TERRAIN	445533.00N/0913212.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

PRINZ

TO

TUSKR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.25										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-000757)	445258.50N/0913513.56W	1464	500	125	5E	1000				AT1136	3600
TERRAIN	445618.00N/0913506.00W	1066 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

TUSKR

TO

EQNAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	3.48										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001119)	445458.00N/0914149.00W	1688	500	125	5E	500				AT612	2800
TERRAIN	445454.00N/0914218.00W	1227 (1200)								AS1500	2700

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

EQNAC

TO

RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.87		DA				250				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TRAVERSE_WAY (55-029641)	445323.85N/0915116.15W	910	20	10	1B		34.00:1			AC10	1144

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

EQNAC

TO

RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.87		DA				394				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	445357.00N/0914957.00W	1003	215	8	4B		23.36:1			AC8	1288

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

EQNAC

TO

PENIY/2.35 NM TO RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.52										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	445433.00N/0914312.00W	1355	215	8	4B	250				RA60	1680

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

PENIY/2.35 NM TO RW27

TO

RW27

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	2.35		RW27				446				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (55-131870)	445259.34N/0914905.77W	1073	20	3	1A	250					1340

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LPV

FROM

DA

TO

HATEL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											956
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
TOWER (55-000969)	445205.53N/0920429.98W	1541	500	50	5D	1000					2600
TERRAIN	445212.00N/0920857.00W	1282 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV/VNAV

FROM

DA

TO

HATEL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											1127
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
TOWER (55-000969)	445205.53N/0920429.98W	1541	500	50	5D	1000					2600
TERRAIN	445212.00N/0920857.00W	1282 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW27

TO

HATEL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1240	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
TOWER (55-000969)	445205.53N/0920429.98W	1541	500	50	5D	1000					2600
TERRAIN	445212.00N/0920857.00W	1282 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	445212.00N/0915106.00W	1.30	505	1098	215	8	4B	300			1400
CATEGORY B											
TOWER (55-167996)	445426.41N/0914932.13W	1.84	625	1201	20	3	1A	300			1520
CATEGORY C											
TOWER (55-000942)	445544.40N/0915439.25W	2.89	845	1379	250	50	4D	300		AC50	1740
CATEGORY D											
TOWER (55-001305)	445025.20N/0915406.70W	3.77	905	1437	250	50	4D	300		AC50	1800

CIRCLING REMARKS:

MSA

CENTER

RW27

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (55-000405)	450248.86N/0915147.63W	357	9.4	2180	250	50	4D	1000			3200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, GRB FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3PT	LUM	24	LUM		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	EAU	24	EAU	16.40	Y	41

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KLUM = 895
KEAU = 913
RA = 40.4

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)		NPI-F	
RW18 - MIRL (PCL), PAPI-2L (PCL)		NPI-F	
RW27 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)		NPI-F	
RW36 - MIRL (PCL), PAPI-2R (PCL)		NPI-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	892.6	40.2			3.00	40.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.23C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 967 HIGH TEMP 1275.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 36	QUALITY 8 CHECKED
20:1		

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LUM	RNAV (GPS) RWY 27	2	MENOMONIE	WI	895	RNAV
937 TREE (55-131826) 445313.7600N/0915203.5000W (7.22)			938 TREE (55-132123) 445313.1600N/0915203.2600W (5.15)			
933 TREE (55-131812) 445313.4400N/0915202.4700W (1.42)						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION UTILIZED PER FPT CHECKLIST.

CONTINGENCY NOTES FOR BACKUP ALTIMETER
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EAU ALTIMETER SETTING AND INCREASE LPV DA TO 1185 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1329 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND CIRCLING VISIBILITY CAT C 1/4 SM.

BARO-VNAV AND VDP NA WHEN USING EAU ALTIMETER SETTING.

APPLIED WAIVER TO ORDER 8260.58, US STANDARD FOR PBN NAVIGATION INSTRUMENT PROCEDURE DESIGN, ON APPENDIX C PBN TRANSITION TO ILS/GLS/LPV.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.67
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	269.45
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1100
DISTANCE FROM	THLD	TO 1500FT POINT	5.46
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	269.45
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)	445327.52N/0915126.41W
ARP COORDINATES	445332.44N/0915204.05W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 27 DISTANCE 0.45 NM
FAF COORDINATES	445331.18N/0914311.59W
FIX NAME COORDINATES	

REMARKS

<u>AIRPORT ID</u> LUM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>AMDT NO.</u> 2	<u>CITY</u> MENOMONIE	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 895	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> JOSHUA DUGAN	<u>OFFICE</u> AJV-A433	<u>DATE</u> 02/04/2026	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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