

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952939

Luminaire Tested: **GALN-SB6C-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28114 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

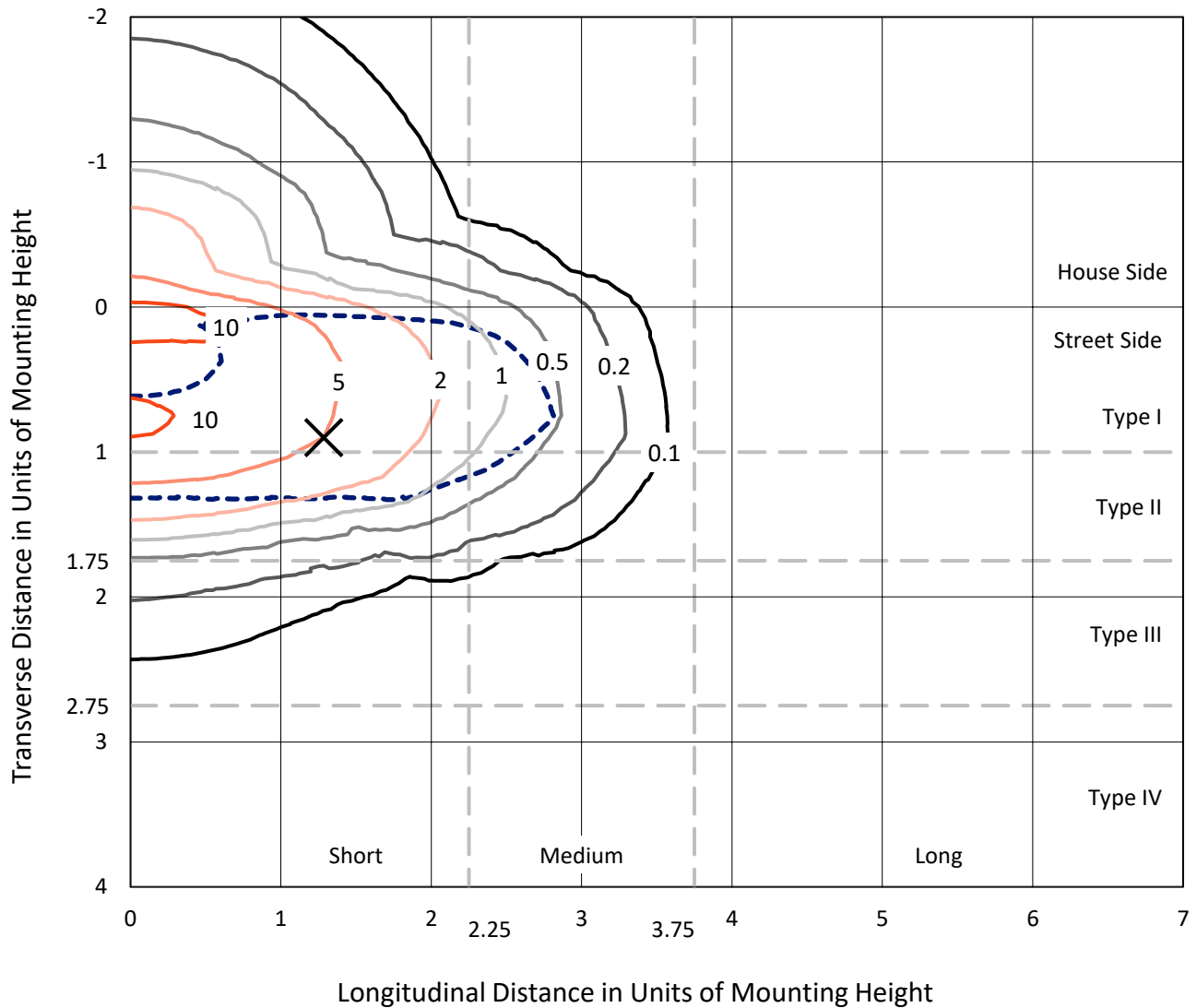
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952939
 CATALOG NUMBER: GALN-SB6C-927-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

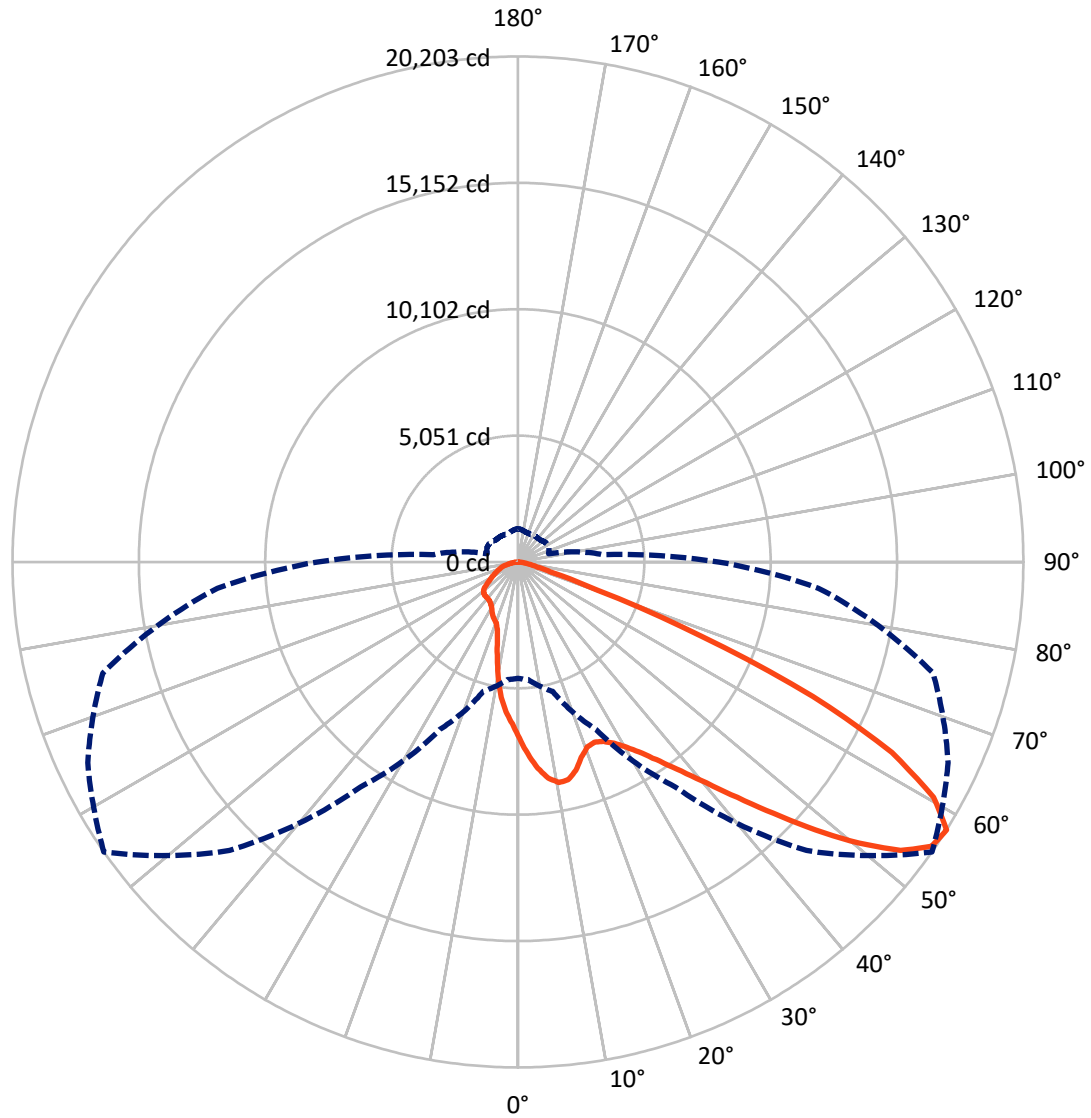
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

REPORT NUMBER: P952939
CATALOG NUMBER: GALN-SB6C-927-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P952939
 CATALOG NUMBER: GALN-SB6C-927-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5087.1	0.0	5087.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23026.9	0.0	23026.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	28114.0	0.0	28114.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.7	2.3
10°-20°	1649.9	5.9
20°-30°	2632.8	9.4
30°-40°	4168.4	14.8
40°-50°	6380.2	22.7
50°-60°	6833.7	24.3
60°-70°	4299.1	15.3
70°-80°	1271.3	4.5
80°-90°	224.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28114.0	100.0
0°-180°	28114.0	100.0



REPORT NUMBER: P952939

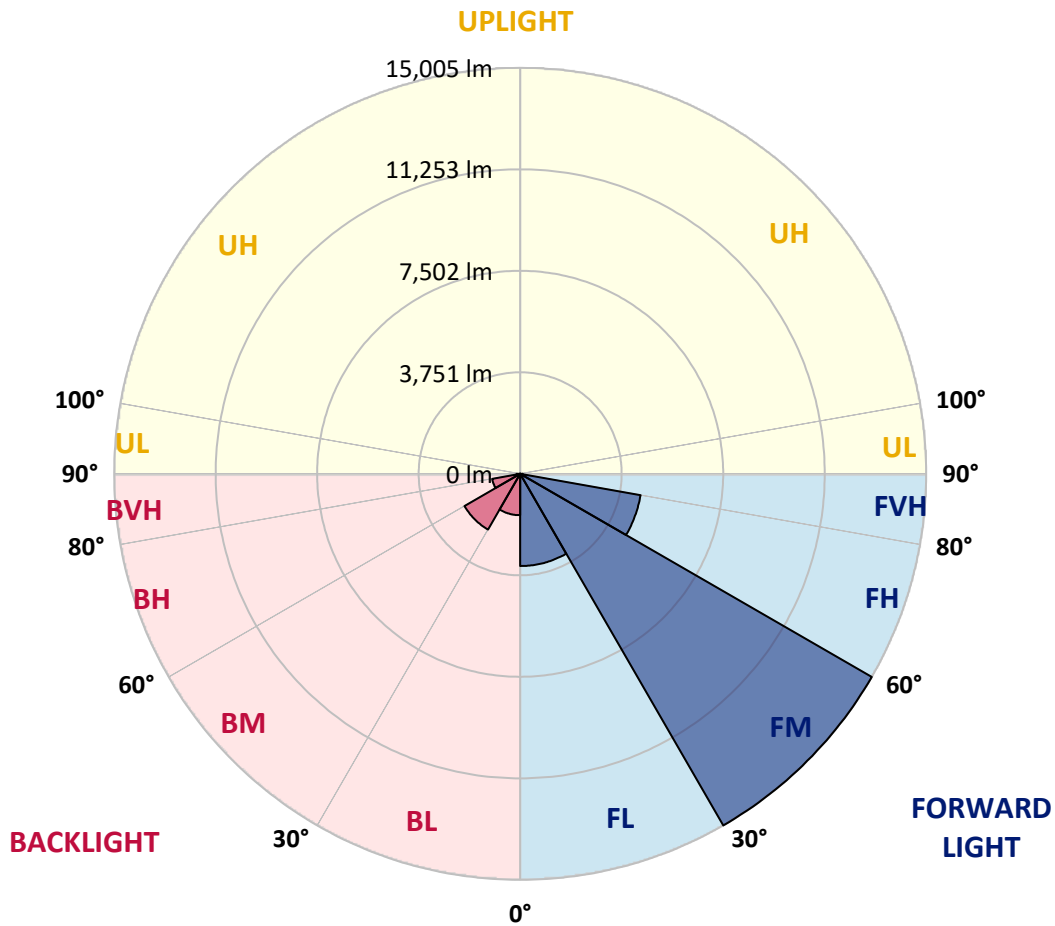
CATALOG NUMBER: GALN-SB6C-927-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3407.4	12.1			
FM (30°-60°)	15004.6	53.4			
FH (60°-80°)	4519.9	16.1			G2/5000
FVH (80°-90°)	95.0	0.3			G1/100
BL (0°-30°)	1529.0	5.4	B3/2500		
BM (30°-60°)	2377.7	8.5	B2/2500		
BH (60°-80°)	1050.6	3.7	B3/2500		G3/2500
BVH (80°-90°)	129.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



REPORT NUMBER: P952939

CATALOG NUMBER: GALN-SB6C-927-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5
2.5°	8082.2	8076.3	8108.3	7999.3	7925.2	7824.9	7692.7	7524.1	7342.4	7150.6
5°	8810.3	8759.4	8792.9	8711.5	8630.1	8478.9	8282.7	8008.0	7672.3	7290.1
7.5°	8695.5	8660.6	8746.3	8819.0	8880.1	8861.2	8717.3	8429.5	7996.4	7441.2
10°	7769.7	7730.4	7851.1	8102.5	8471.7	8792.9	8967.3	8788.5	8327.8	7606.9
12.5°	6952.9	6934.0	7013.9	7217.4	7627.3	8243.5	8935.3	9102.4	8672.2	7803.1
15°	6604.1	6580.8	6631.7	6734.9	6996.5	7570.6	8644.6	9317.5	9010.9	8029.8
17.5°	6527.1	6500.9	6522.7	6576.5	6745.1	7182.5	8205.7	9423.6	9364.0	8282.7
20°	6669.5	6647.7	6650.6	6647.7	6765.4	7112.8	7900.5	9382.9	9672.1	8515.3
22.5°	7013.9	6977.6	6979.1	6902.0	6966.0	7234.8	7820.6	9273.9	9946.8	8718.7
25°	7574.9	7509.5	7522.6	7326.4	7309.0	7508.1	7945.5	9189.6	10220.1	8881.5
27.5°	8342.3	8268.2	8228.9	7936.8	7797.3	7896.1	8199.9	9218.7	10478.8	9022.5
30°	9301.5	9211.4	9131.5	8717.3	8464.4	8428.1	8595.2	9410.5	10784.0	9170.7
32.5°	10477.3	10372.7	10227.3	9678.0	9321.9	9131.5	9106.8	9752.1	11141.5	9359.7
35°	11876.9	11740.3	11533.9	10823.2	10372.7	9983.2	9781.1	10244.8	11631.3	9644.5
37.5°	13318.6	13164.6	12975.6	12129.8	11576.0	11002.0	10603.7	10913.3	12283.8	10031.1
40°	14648.5	14475.5	14299.6	13546.8	12952.4	12260.6	11610.9	11759.2	13081.7	10493.3
42.5°	15433.3	15305.4	15238.5	14831.6	14372.3	13670.3	12863.7	12762.0	13978.5	11025.2
45°	15398.4	15346.1	15552.4	15721.0	15612.0	15222.5	14331.6	13870.9	14878.1	11485.9
47.5°	14575.8	14610.7	15071.4	16019.0	16436.1	16639.6	16003.0	14959.5	15660.0	11830.4
50°	12337.6	12366.7	13433.4	15476.9	16648.3	17795.0	17661.3	16021.9	16266.1	12041.1
52.5°	10566.0	10584.9	11042.7	13869.5	15947.8	18376.3	19155.3	17023.3	16709.3	12099.3
55°	7958.6	8024.0	8537.1	10881.3	14125.2	17915.6	20065.1	18055.1	16989.8	12105.1
57.5°	4649.3	4720.5	5354.2	7386.0	10978.7	16309.7	20203.2	18970.8	17180.2	12058.6
60°	2277.4	2307.9	2584.1	3881.9	6769.8	13215.4	19092.8	19414.0	17286.3	12033.9
62.5°	1534.8	1530.4	1542.0	1915.5	3335.5	8490.6	16779.1	18637.9	17229.6	11939.4
65°	1319.7	1303.7	1260.1	1344.4	1728.0	3883.4	12964.0	16321.3	16798.0	11702.5
67.5°	1140.9	1142.3	1143.8	1117.6	1233.9	1792.0	7922.3	12856.5	15248.7	10580.5
70°	944.7	957.8	963.6	963.6	1005.7	1175.8	3382.0	8811.7	12028.0	8295.8
72.5°	860.4	832.8	835.7	821.2	821.2	895.3	1361.8	4995.2	7577.8	4666.8
75°	702.0	719.4	722.3	712.1	678.7	683.1	808.1	2095.8	3242.5	1935.9
77.5°	606.1	606.1	611.9	604.6	578.4	511.6	539.2	812.4	1103.1	793.5
80°	486.9	485.4	510.1	524.7	484.0	377.9	344.4	449.1	489.8	348.8
82.5°	236.9	251.4	350.3	399.7	367.7	273.2	210.7	279.0	261.6	154.1
85°	138.1	130.8	157.0	222.4	210.7	151.1	101.7	145.3	136.6	78.5
87.5°	43.6	40.7	32.0	75.6	61.0	42.1	27.6	42.1	37.8	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952939
 CATALOG NUMBER: GALN-SB6C-927-U-AFL

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
7044.5	0°	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5	7044.5
7067.7	2.5°	6964.5	6793.0	6623.0	6467.5	6373.0	6312.0	6250.9	6182.6	6156.5	6117.2
7086.6	5°	6894.8	6563.4	6268.4	6014.0	5782.9	5601.3	5418.1	5269.9	5203.0	5248.1
7146.2	7.5°	6854.1	6374.5	5919.6	5453.0	5003.9	4645.0	4332.5	4113.0	4014.2	4038.9
7204.3	10°	6817.7	6160.8	5467.6	4730.7	4085.4	3640.7	3320.9	3153.8	3091.3	3104.4
7282.8	12.5°	6784.3	5921.0	4922.5	3953.2	3267.2	2973.6	2882.0	2883.5	2895.1	2903.8
7407.8	15°	6778.5	5631.8	4313.6	3273.0	2825.3	2806.4	2905.3	2967.8	3001.2	3011.4
7512.4	17.5°	6769.8	5285.9	3693.0	2809.4	2717.8	2845.7	2937.2	2977.9	3004.1	3005.6
7614.2	20°	6734.9	4847.0	3120.4	2588.4	2694.5	2805.0	2861.7	2893.6	2915.4	2922.7
7691.2	22.5°	6627.3	4358.6	2674.2	2489.6	2601.5	2690.2	2757.0	2793.4	2806.4	2815.2
7705.7	25°	6434.0	3812.2	2366.1	2395.1	2472.2	2584.1	2637.9	2645.1	2640.8	2653.8
7669.4	27.5°	6181.2	3226.5	2174.2	2267.2	2366.1	2462.0	2491.1	2486.7	2478.0	2492.5
7606.9	30°	5876.0	2700.4	2052.2	2123.4	2258.5	2345.7	2371.9	2361.7	2344.3	2360.3
7574.9	32.5°	5553.3	2270.2	1951.9	2023.1	2169.9	2255.6	2281.8	2271.6	2258.5	2271.6
7611.3	35°	5252.5	1969.3	1858.9	1956.2	2100.1	2184.4	2217.8	2219.3	2219.3	2235.3
7707.2	37.5°	4976.3	1793.5	1781.8	1914.1	2052.2	2127.7	2175.7	2178.6	2116.1	2120.5
7870.0	40°	4720.5	1719.3	1746.9	1886.5	2005.6	2078.3	2081.2	1918.4	1803.6	1800.7
8056.0	42.5°	4511.2	1704.8	1757.1	1883.6	1972.2	1975.1	1770.2	1643.8	1611.8	1613.2
8227.5	45°	4315.0	1700.4	1780.4	1883.6	1922.8	1706.2	1568.2	1534.8	1537.7	1549.3
8304.5	47.5°	4095.6	1683.0	1784.7	1857.4	1780.4	1517.3	1476.6	1462.1	1456.3	1459.2
8287.1	50°	3855.8	1620.5	1729.5	1805.1	1536.2	1435.9	1385.1	1380.7	1388.0	1392.3
8189.7	52.5°	3602.9	1518.8	1635.0	1710.6	1424.3	1364.7	1308.0	1318.2	1350.2	1360.3
8088.0	55°	3437.2	1399.6	1510.0	1521.7	1345.8	1297.9	1249.9	1273.1	1332.7	1351.6
8026.9	57.5°	3393.6	1273.1	1367.6	1354.5	1245.5	1239.7	1210.7	1231.0	1306.6	1334.2
8024.0	60°	3380.5	1159.8	1228.1	1217.9	1148.2	1175.8	1168.5	1178.7	1204.8	1213.6
7995.0	62.5°	3278.8	1069.7	1103.1	1088.6	1061.0	1108.9	1126.4	1104.6	1124.9	1135.1
7795.8	65°	3020.1	997.0	981.0	970.8	982.5	1026.1	1061.0	1017.4	1036.2	1065.3
7028.5	67.5°	2592.8	898.2	854.6	866.2	902.5	925.8	970.8	921.4	937.4	986.8
5660.9	70°	2097.2	773.2	733.9	767.4	802.3	850.2	857.5	824.1	861.8	917.1
3454.6	72.5°	1483.9	646.7	619.1	687.4	699.1	761.6	745.6	729.6	781.9	800.8
1707.7	75°	1029.0	521.8	505.8	558.1	600.2	654.0	642.4	661.3	771.7	780.5
853.1	77.5°	651.1	405.5	395.3	428.7	486.9	546.5	565.4	780.5	1318.2	1370.5
443.3	80°	377.9	302.3	290.7	316.8	367.7	422.9	545.0	957.8	869.1	858.9
199.1	82.5°	210.7	207.8	193.3	200.6	245.6	305.2	770.3	674.4	547.9	565.4
79.9	85°	98.8	122.1	104.6	100.3	138.1	357.5	514.5	385.1	255.8	250.0
17.4	87.5°	26.2	23.3	23.3	26.2	58.1	308.1	204.9	164.2	97.4	94.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI

