

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: P952582

Luminaire Tested: **GALN-SB6B-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952582
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-SB6B-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21139 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

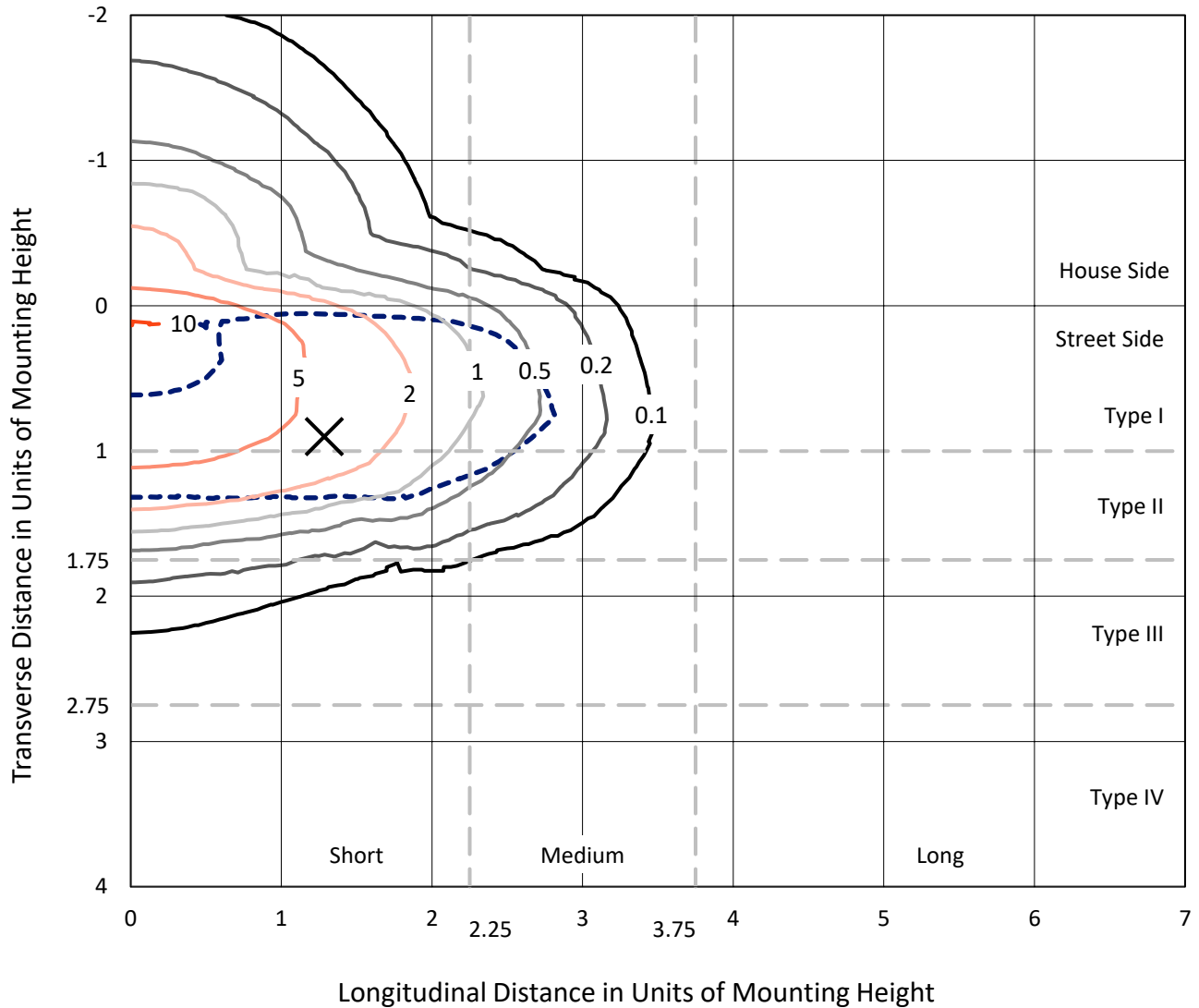
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952582
 CATALOG NUMBER: GALN-SB6B-927-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

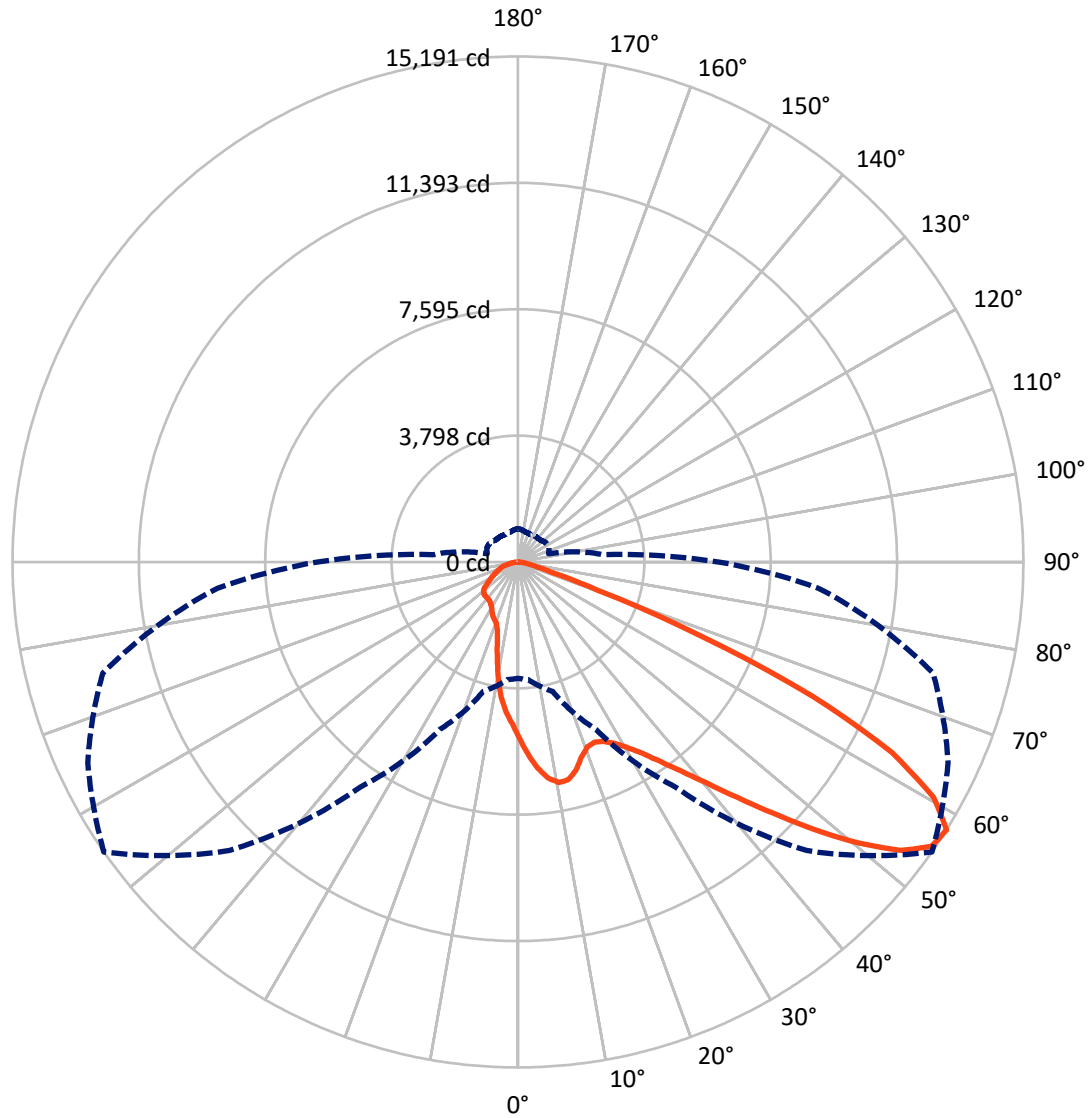
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

REPORT NUMBER: P952582
CATALOG NUMBER: GALN-SB6B-927-U-AFL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952582

CATALOG NUMBER: GALN-SB6B-927-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3825.0	0.0	3825.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17314.0	0.0	17314.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	21139.0	0.0	21139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.5	2.3
10°-20°	1240.6	5.9
20°-30°	1979.6	9.4
30°-40°	3134.2	14.8
40°-50°	4797.3	22.7
50°-60°	5138.3	24.3
60°-70°	3232.5	15.3
70°-80°	955.9	4.5
80°-90°	169.0	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°	21139.0	100.0
0°-180°	21139.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952582

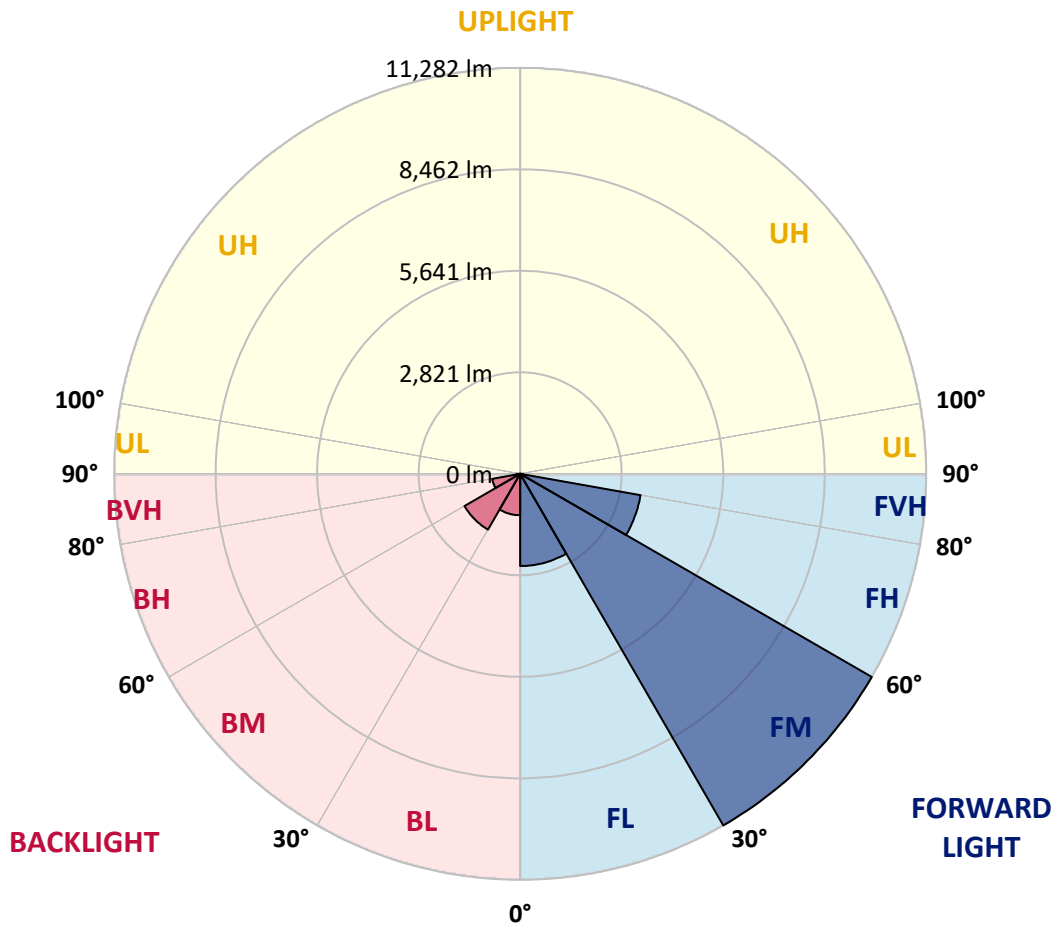
CATALOG NUMBER: GALN-SB6B-927-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2562.0	12.1			
FM (30°-60°)	11282.0	53.4			
FH (60°-80°)	3398.5	16.1			G2/5000
FVH (80°-90°)	71.4	0.3			G1/100
BL (0°-30°)	1149.7	5.4	B3/2500		
BM (30°-60°)	1787.8	8.5	B2/2500		
BH (60°-80°)	790.0	3.7	B2/1000		G2/1000
BVH (80°-90°)	97.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



REPORT NUMBER: P952582

CATALOG NUMBER: GALN-SB6B-927-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7
2.5°	6077.0	6072.6	6096.7	6014.7	5959.0	5883.6	5784.1	5657.4	5520.8	5376.5
5°	6624.5	6586.2	6611.4	6550.2	6489.0	6375.3	6227.8	6021.3	5768.8	5481.4
7.5°	6538.2	6511.9	6576.4	6631.0	6676.9	6662.7	6554.5	6338.2	6012.5	5595.1
10°	5842.0	5812.5	5903.2	6092.3	6369.9	6611.4	6742.5	6608.1	6261.7	5719.7
12.5°	5227.9	5213.7	5273.8	5426.8	5735.0	6198.3	6718.5	6844.1	6520.7	5867.2
15°	4965.6	4948.1	4986.4	5064.0	5260.7	5692.3	6499.9	7005.9	6775.3	6037.7
17.5°	4907.7	4888.0	4904.4	4944.9	5071.6	5400.6	6169.9	7085.6	7040.8	6227.8
20°	5014.8	4998.4	5000.6	4998.4	5086.9	5348.1	5940.4	7055.0	7272.5	6402.6
22.5°	5273.8	5246.5	5247.6	5189.7	5237.7	5439.9	5880.3	6973.1	7479.0	6555.6
25°	5695.6	5646.4	5656.3	5508.7	5495.6	5645.3	5974.3	6909.7	7684.5	6678.0
27.5°	6272.6	6216.9	6187.4	5967.7	5862.8	5937.1	6165.5	6931.6	7879.0	6784.0
30°	6993.8	6926.1	6866.0	6554.5	6364.4	6337.1	6462.8	7075.8	8108.5	6895.5
32.5°	7877.9	7799.2	7690.0	7276.9	7009.1	6866.0	6847.4	7332.6	8377.3	7037.6
35°	8930.3	8827.5	8672.4	8138.0	7799.2	7506.4	7354.5	7703.1	8745.6	7251.7
37.5°	10014.3	9898.5	9756.4	9120.4	8704.1	8272.4	7973.0	8205.8	9236.3	7542.4
40°	11014.2	10884.2	10751.9	10185.9	9738.9	9218.8	8730.3	8841.8	9836.2	7889.9
42.5°	11604.3	11508.2	11457.9	11151.9	10806.6	10278.8	9672.3	9595.8	10510.4	8289.9
45°	11578.1	11538.8	11693.9	11820.7	11738.7	11445.9	10776.0	10429.6	11186.9	8636.3
47.5°	10959.6	10985.8	11332.2	12044.7	12358.3	12511.3	12032.7	11248.1	11774.8	8895.3
50°	9276.7	9298.5	10100.6	11637.1	12517.9	13380.1	13279.6	12046.9	12230.5	9053.8
52.5°	7944.6	7958.8	8303.0	10428.5	11991.2	13817.2	14403.0	12799.8	12563.8	9097.5
55°	5984.1	6033.3	6419.0	8181.7	10620.8	13470.8	15087.0	13575.7	12774.7	9101.8
57.5°	3495.8	3549.4	4025.8	5553.6	8254.9	12263.3	15190.9	14264.2	12917.9	9066.9
60°	1712.4	1735.3	1943.0	2918.8	5090.2	9936.7	14356.0	14597.5	12997.6	9048.3
62.5°	1154.0	1150.7	1159.4	1440.3	2508.0	6384.1	12616.2	14013.9	12955.0	8977.3
65°	992.3	980.2	947.4	1010.8	1299.3	2919.9	9747.7	12272.0	12630.5	8799.1
67.5°	857.8	858.9	860.0	840.4	927.8	1347.4	5956.8	9666.8	11465.5	7955.5
70°	710.3	720.1	724.5	724.5	756.2	884.1	2542.9	6625.6	9043.9	6237.6
72.5°	646.9	626.2	628.4	617.4	617.4	673.2	1023.9	3755.9	5697.8	3508.9
75°	527.8	540.9	543.1	535.5	510.3	513.6	607.6	1575.8	2438.0	1455.6
77.5°	455.7	455.7	460.1	454.6	434.9	384.7	405.4	610.9	829.4	596.7
80°	366.1	365.0	383.6	394.5	363.9	284.1	259.0	337.7	368.3	262.3
82.5°	178.1	189.1	263.4	300.5	276.5	205.4	158.5	209.8	196.7	115.8
85°	103.8	98.4	118.0	167.2	158.5	113.7	76.5	109.3	102.7	59.0
87.5°	32.8	30.6	24.0	56.8	45.9	31.7	20.8	31.7	28.4	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952582
 CATALOG NUMBER: GALN-SB6B-927-U-AFL

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5296.7	0°	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7	5296.7
5314.2	2.5°	5236.6	5107.7	4979.8	4862.9	4791.9	4746.0	4700.1	4648.7	4629.1	4599.5
5328.4	5°	5184.2	4935.0	4713.2	4522.0	4348.2	4211.6	4073.9	3962.5	3912.2	3946.1
5373.2	7.5°	5153.6	4793.0	4450.9	4100.1	3762.5	3492.6	3257.6	3092.6	3018.3	3036.9
5417.0	10°	5126.3	4632.3	4111.1	3557.0	3071.8	2737.4	2497.0	2371.4	2324.4	2334.2
5476.0	12.5°	5101.1	4452.0	3701.3	2972.4	2456.6	2235.8	2167.0	2168.1	2176.8	2183.4
5569.9	15°	5096.8	4234.6	3243.4	2461.0	2124.4	2110.2	2184.5	2231.5	2256.6	2264.3
5648.6	17.5°	5090.2	3974.5	2776.8	2112.4	2043.5	2139.7	2208.5	2239.1	2258.8	2259.9
5725.1	20°	5064.0	3644.5	2346.2	1946.3	2026.0	2109.1	2151.7	2175.7	2192.1	2197.6
5783.0	22.5°	4983.1	3277.3	2010.7	1871.9	1956.1	2022.8	2073.0	2100.3	2110.2	2116.7
5794.0	25°	4837.8	2866.4	1779.1	1800.9	1858.8	1943.0	1983.4	1988.9	1985.6	1995.4
5766.6	27.5°	4647.6	2426.0	1634.8	1704.8	1779.1	1851.2	1873.0	1869.8	1863.2	1874.1
5719.7	30°	4418.1	2030.4	1543.0	1596.6	1698.2	1763.8	1783.4	1775.8	1762.7	1774.7
5695.6	32.5°	4175.5	1706.9	1467.6	1521.2	1631.5	1696.0	1715.7	1708.0	1698.2	1708.0
5722.9	35°	3949.3	1480.7	1397.7	1470.9	1579.1	1642.5	1667.6	1668.7	1668.7	1680.7
5795.1	37.5°	3741.7	1348.5	1339.8	1439.2	1543.0	1599.8	1635.9	1638.1	1591.1	1594.4
5917.5	40°	3549.4	1292.8	1313.5	1418.4	1508.0	1562.7	1564.9	1442.5	1356.2	1354.0
6057.3	42.5°	3392.0	1281.8	1321.2	1416.3	1482.9	1485.1	1331.0	1235.9	1211.9	1213.0
6186.3	45°	3244.5	1278.6	1338.7	1416.3	1445.8	1282.9	1179.1	1154.0	1156.2	1164.9
6244.2	47.5°	3079.5	1265.4	1341.9	1396.6	1338.7	1140.9	1110.3	1099.3	1095.0	1097.2
6231.1	50°	2899.2	1218.5	1300.4	1357.2	1155.1	1079.7	1041.4	1038.1	1043.6	1046.9
6157.9	52.5°	2709.0	1142.0	1229.4	1286.2	1070.9	1026.1	983.5	991.2	1015.2	1022.9
6081.4	55°	2584.4	1052.4	1135.4	1144.1	1011.9	975.9	939.8	957.3	1002.1	1016.3
6035.5	57.5°	2551.7	957.3	1028.3	1018.5	936.5	932.1	910.3	925.6	982.4	1003.2
6033.3	60°	2541.8	872.0	923.4	915.8	863.3	884.1	878.6	886.3	905.9	912.5
6011.4	62.5°	2465.3	804.3	829.4	818.5	797.7	833.8	846.9	830.5	845.8	853.5
5861.7	65°	2270.8	749.7	737.6	730.0	738.7	771.5	797.7	765.0	779.2	801.0
5284.7	67.5°	1949.5	675.3	642.6	651.3	678.6	696.1	730.0	692.8	704.8	742.0
4256.4	70°	1576.9	581.4	551.9	577.0	603.2	639.3	644.7	619.6	648.0	689.5
2597.6	72.5°	1115.7	486.3	465.5	516.9	525.6	572.6	560.6	548.6	587.9	602.1
1284.0	75°	773.7	392.3	380.3	419.6	451.3	491.8	483.0	497.2	580.3	586.8
641.5	77.5°	489.6	304.9	297.2	322.4	366.1	410.9	425.1	586.8	991.2	1030.5
333.3	80°	284.1	227.3	218.6	238.2	276.5	318.0	409.8	720.1	653.5	645.8
149.7	82.5°	158.5	156.3	145.3	150.8	184.7	229.5	579.2	507.1	412.0	425.1
60.1	85°	74.3	91.8	78.7	75.4	103.8	268.8	386.8	289.6	192.3	188.0
13.1	87.5°	19.7	17.5	17.5	19.7	43.7	231.7	154.1	123.5	73.2	71.0
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

