

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: P955878

Luminaire Tested: **GALN-SB8C-950-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-950-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35919 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

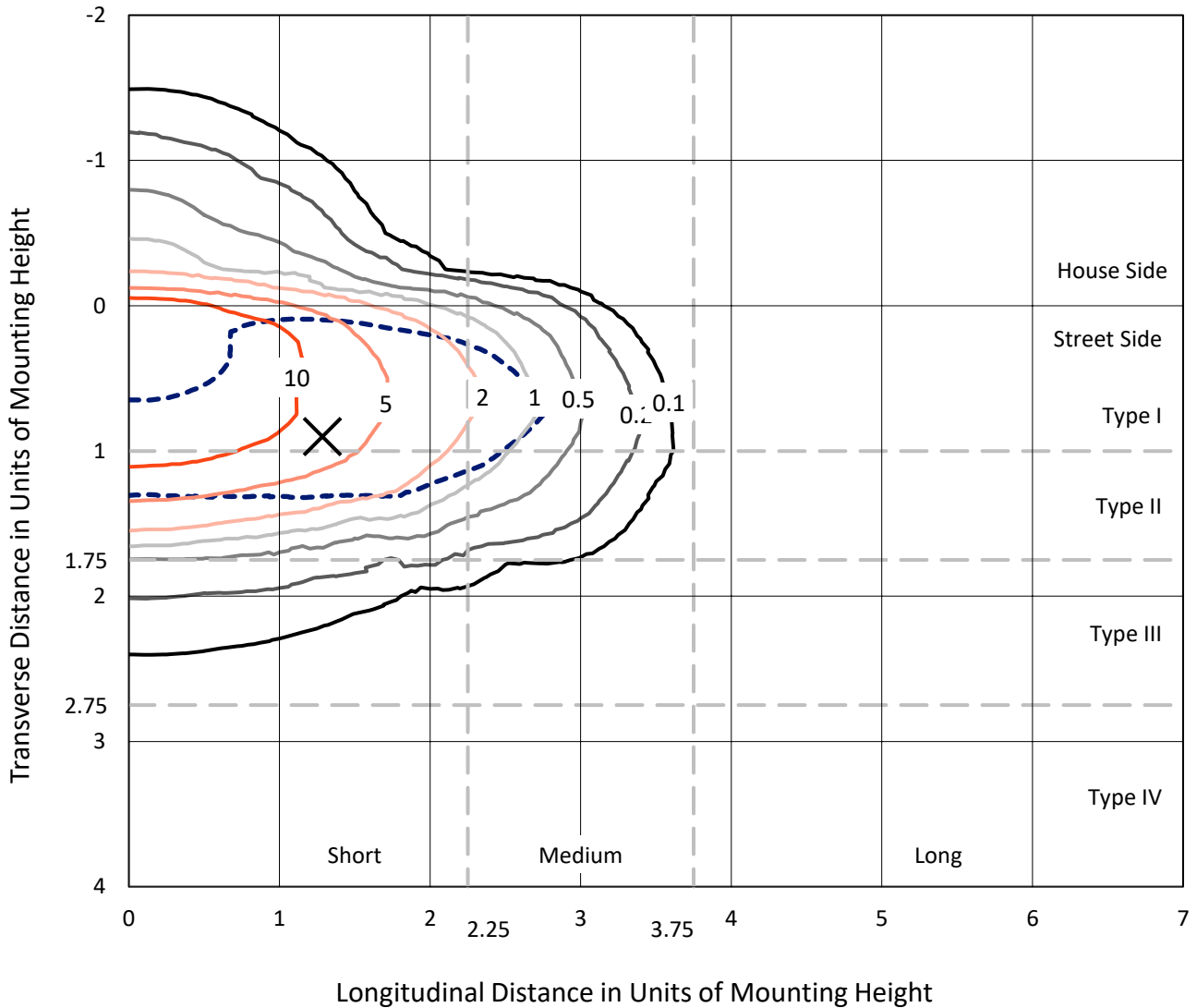
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955878
 CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

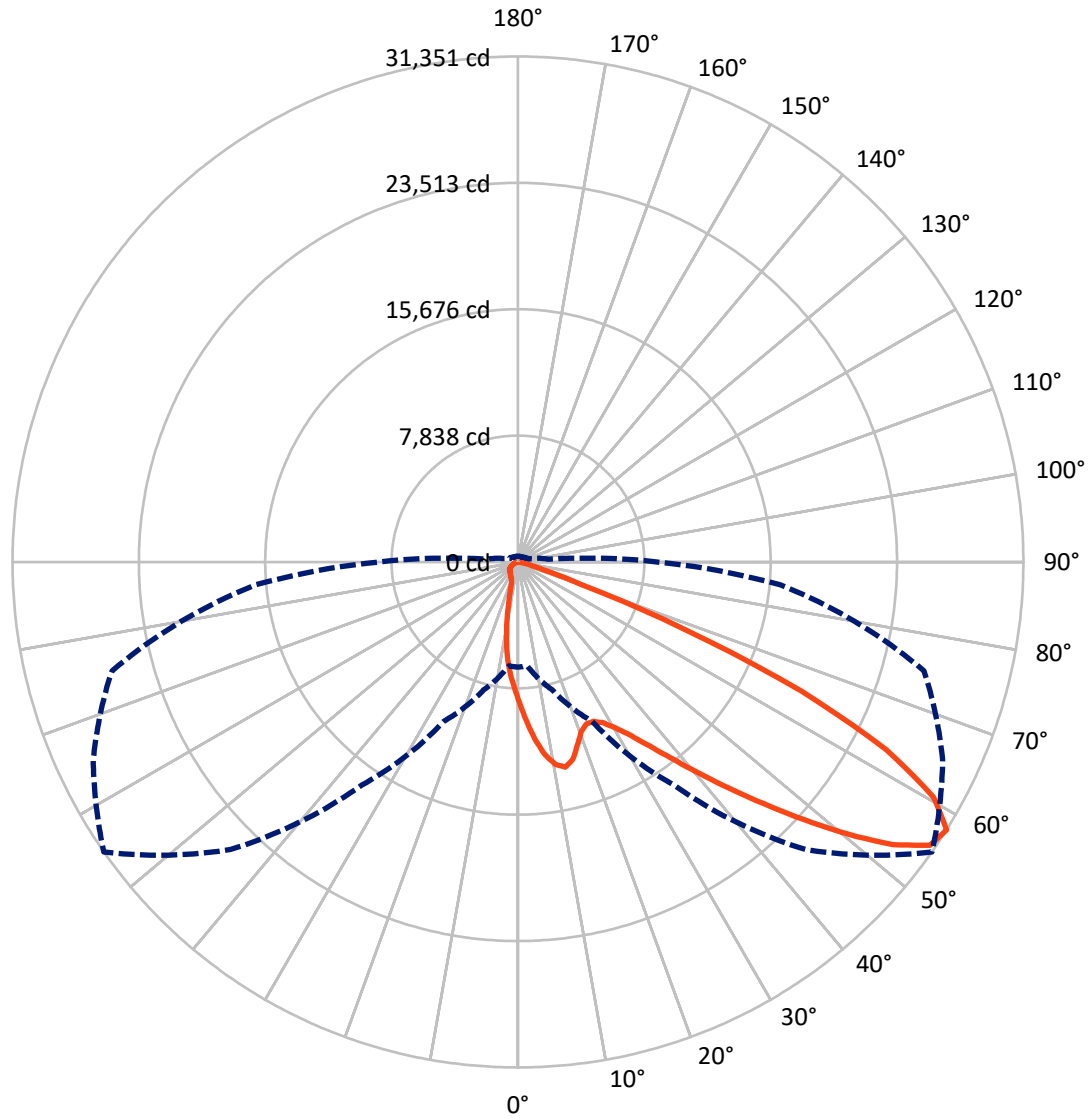
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.8 fc
 Type II - Short - N/A

REPORT NUMBER: P955878
CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P955878
 CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2805.1	0.0	2805.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	33113.9	0.0	33113.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	35919.0	0.0	35919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.4	2.2
10°-20°	1945.3	5.4
20°-30°	3112.5	8.7
30°-40°	5268.1	14.7
40°-50°	8649.1	24.1
50°-60°	9506.0	26.5
60°-70°	5452.6	15.2
70°-80°	1114.1	3.1
80°-90°	65.7	0.2
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°	35919.0	100.0
0°-180°	35919.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955878

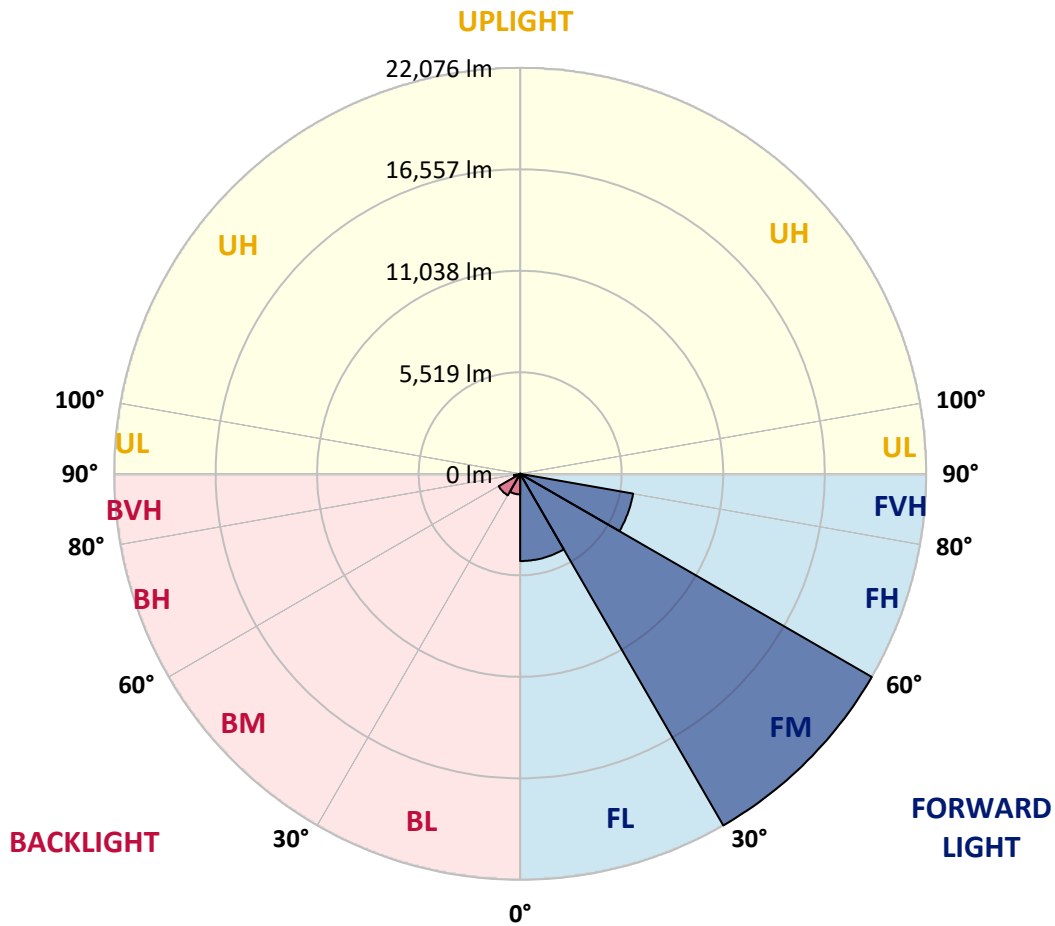
CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4743.3	13.2			
FM (30°-60°)	22076.1	61.5			
FH (60°-80°)	6233.2	17.4			G3/7500
FVH (80°-90°)	61.3	0.2			G1/100
BL (0°-30°)	1119.9	3.1	B3/2500		
BM (30°-60°)	1347.2	3.8	B2/2500		
BH (60°-80°)	333.6	0.9	B1/500		G1/500
BVH (80°-90°)	4.4	0.0			G0/10
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: P955878

CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6
2.5°	10739.8	10604.7	10584.7	10558.1	10301.2	10108.5	9829.5	9523.8	9180.5	8830.6
5°	12407.5	12301.2	12281.3	12157.3	11864.9	11537.1	11041.0	10414.2	9774.1	9021.0
7.5°	12730.9	12711.0	12801.8	12797.3	12757.5	12498.3	12079.7	11333.3	10372.1	9255.8
10°	11289.0	11340.0	11610.2	11847.2	12487.3	12859.4	12768.6	12152.8	10987.8	9523.8
12.5°	9975.6	9915.8	10108.5	10376.5	11120.7	12228.1	13054.3	12837.2	11692.1	9827.2
15°	9151.7	9127.4	9235.9	9359.9	9926.9	11043.2	12722.0	13393.1	12369.9	10186.0
17.5°	8888.2	8868.2	8901.4	8932.4	9300.1	10163.9	11931.3	13734.2	13018.8	10595.8
20°	9103.0	9076.4	9072.0	9047.6	9200.4	9789.6	11215.9	13758.6	13601.3	10967.9
22.5°	9729.8	9698.8	9590.3	9492.8	9506.1	9840.5	10897.0	13515.0	14039.9	11315.6
25°	10866.0	10815.1	10589.1	10261.4	10053.2	10194.9	10945.7	13193.8	14458.5	11588.0
27.5°	12287.9	12221.5	11931.3	11444.1	10967.9	10795.1	11297.9	12972.3	14806.2	11796.2
30°	13681.1	13594.7	13309.0	12930.2	12234.8	11689.9	11933.6	13069.8	15220.4	12013.3
32.5°	15184.9	15103.0	14724.3	14254.7	13678.9	12945.7	12804.0	13546.0	15727.6	12316.7
35°	17087.5	16959.0	16420.8	15780.7	15169.4	14427.5	13982.3	14367.7	16403.1	12779.6
37.5°	19253.6	19080.8	18500.6	17616.8	16819.5	15988.9	15417.5	15497.2	17393.1	13399.8
40°	21295.7	21138.4	20602.4	19769.7	18768.6	17760.8	17151.7	16974.5	18759.7	14155.0
42.5°	22520.5	22378.7	22152.8	21800.7	20956.8	19929.1	19160.6	18777.4	20376.5	15058.7
45°	22589.2	22465.1	22768.6	23178.3	23012.2	22327.8	21390.9	20688.8	22000.0	15907.0
47.5°	21490.6	21406.4	22327.8	23758.6	24471.8	24759.7	23895.9	22440.8	23340.0	16516.1
50°	18496.1	18465.1	20361.0	22987.8	25027.7	26890.4	26538.2	24070.9	24378.7	16830.6
52.5°	16037.7	15924.7	17029.9	20520.5	24219.3	28011.1	29120.7	25670.0	25105.2	16890.4
55°	12163.9	12064.2	13450.7	16392.0	21612.4	27612.4	31010.0	27320.0	25625.7	16737.5
57.5°	6524.9	6462.9	8214.8	10910.3	16894.8	25220.4	31351.1	29065.3	26064.2	16332.2
60°	2540.4	2529.3	3184.9	5293.5	10268.0	20518.3	29630.1	30113.0	26338.9	15833.9
62.5°	1537.1	1570.3	1676.6	2376.5	4536.0	12746.4	25663.3	28921.4	26522.7	15377.6
65°	1271.3	1273.5	1286.8	1632.3	2172.8	5333.3	19320.0	25001.1	26068.7	14564.8
67.5°	1089.7	1109.6	1160.6	1295.7	1532.7	2338.9	11122.9	19366.6	23306.8	12673.3
70°	859.4	885.9	950.2	1065.3	1182.7	1464.0	4110.7	12885.9	17805.1	9552.6
72.5°	724.3	722.0	755.3	866.0	939.1	1029.9	1581.4	7220.4	10347.7	4560.4
75°	560.4	582.5	624.6	724.3	768.5	746.4	857.1	2637.9	3707.6	1382.1
77.5°	438.5	456.3	493.9	591.4	635.7	529.3	493.9	943.5	1191.6	496.1
80°	197.1	212.6	336.7	436.3	518.3	365.4	268.0	482.8	529.3	225.9
82.5°	35.4	59.8	197.1	230.3	265.8	237.0	139.5	250.3	259.1	90.8
85°	2.2	4.4	68.7	84.2	106.3	77.5	42.1	99.7	86.4	31.0
87.5°	0.0	0.0	0.0	2.2	2.2	11.1	13.3	17.7	13.3	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955878
 CATALOG NUMBER: GALN-SB8C-950-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
8655.6	0°	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6	8655.6
8675.5	2.5°	8516.1	8201.6	7895.9	7645.6	7499.4	7251.4	7087.5	7060.9	6992.2	7052.0
8697.7	5°	8352.2	7789.6	7220.4	6711.0	6292.4	5751.9	5348.8	5178.3	5029.9	5080.8
8755.3	7.5°	8274.6	7386.5	6500.6	5630.1	4735.3	3871.5	3229.2	2961.2	2757.5	2786.3
8819.5	10°	8170.5	6967.9	5579.2	4250.3	3052.0	2199.3	1756.4	1592.5	1501.7	1503.9
8914.7	12.5°	8090.8	6467.3	4509.4	2881.5	1858.3	1404.2	1266.9	1227.0	1200.4	1202.7
9058.7	15°	8050.9	5878.2	3452.9	1920.3	1328.9	1189.4	1156.1	1138.4	1120.7	1118.5
9218.2	17.5°	7984.5	5222.6	2527.1	1402.0	1162.8	1114.1	1085.3	1065.3	1043.2	1038.8
9355.5	20°	7884.8	4478.4	1847.2	1184.9	1089.7	1052.0	1012.2	985.6	959.0	954.6
9441.9	22.5°	7701.0	3692.1	1419.7	1096.3	1036.5	994.5	945.7	914.7	888.2	883.7
9399.8	25°	7359.9	2954.6	1196.0	1041.0	990.0	939.1	885.9	843.9	819.5	815.1
9309.0	27.5°	6928.0	2321.2	1085.3	990.0	930.2	883.7	823.9	784.1	761.9	757.5
9189.4	30°	6418.6	1787.4	1021.0	932.4	859.4	819.5	766.3	733.1	719.8	719.8
9105.2	32.5°	5869.3	1428.6	994.5	874.9	797.3	753.0	711.0	697.7	693.2	691.0
9151.7	35°	5353.3	1240.3	981.2	828.4	742.0	699.9	682.2	684.4	693.2	693.2
9295.7	37.5°	4894.8	1180.5	974.5	795.1	693.2	655.6	666.7	686.6	677.7	677.7
9548.2	40°	4480.6	1187.2	970.1	770.8	653.4	631.2	653.4	637.9	615.7	613.5
9856.0	42.5°	4163.9	1242.5	961.2	750.8	629.0	613.5	604.7	580.3	578.1	582.5
10175.0	45°	3933.6	1291.3	959.0	742.0	602.4	573.6	562.6	538.2	582.5	593.6
10305.6	47.5°	3661.1	1291.3	959.0	711.0	558.1	547.1	529.3	502.8	547.1	558.1
10181.6	50°	3309.0	1209.3	921.4	675.5	522.7	516.1	485.0	451.8	443.0	449.6
9891.5	52.5°	2863.8	1060.9	826.1	626.8	487.3	474.0	436.3	412.0	405.3	405.3
9371.0	55°	2356.6	888.2	697.7	555.9	449.6	425.2	398.7	387.6	381.0	376.5
8642.3	57.5°	1915.8	728.7	560.4	493.9	414.2	383.2	374.3	361.0	349.9	343.3
8033.2	60°	1572.5	573.6	462.9	438.5	378.7	349.9	347.7	330.0	301.2	296.8
7530.5	62.5°	1213.7	420.8	389.8	381.0	343.3	318.9	314.5	279.1	234.8	225.9
6817.3	65°	857.1	327.8	314.5	334.4	305.6	283.5	272.4	219.3	172.8	166.1
5705.4	67.5°	602.4	274.6	248.1	292.4	265.8	237.0	230.3	186.0	144.0	139.5
4314.5	70°	429.7	223.7	203.8	250.3	212.6	208.2	194.9	155.0	117.4	113.0
2135.1	72.5°	303.4	170.5	157.3	217.1	146.2	179.4	159.5	119.6	88.6	84.2
726.5	75°	223.7	121.8	110.7	126.2	106.3	135.1	113.0	79.7	55.4	53.2
327.8	77.5°	163.9	77.5	66.4	62.0	62.0	84.2	62.0	33.2	24.4	22.1
166.1	80°	115.2	35.4	31.0	26.6	24.4	19.9	8.9	4.4	2.2	2.2
57.6	82.5°	68.7	15.5	15.5	11.1	6.6	0.0	0.0	0.0	0.0	0.0
22.1	85°	15.5	6.6	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
8.9	87.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

