

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: P956508

Luminaire Tested: **GALN-SB9A-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956508
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-SB9A-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA 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: 21205 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

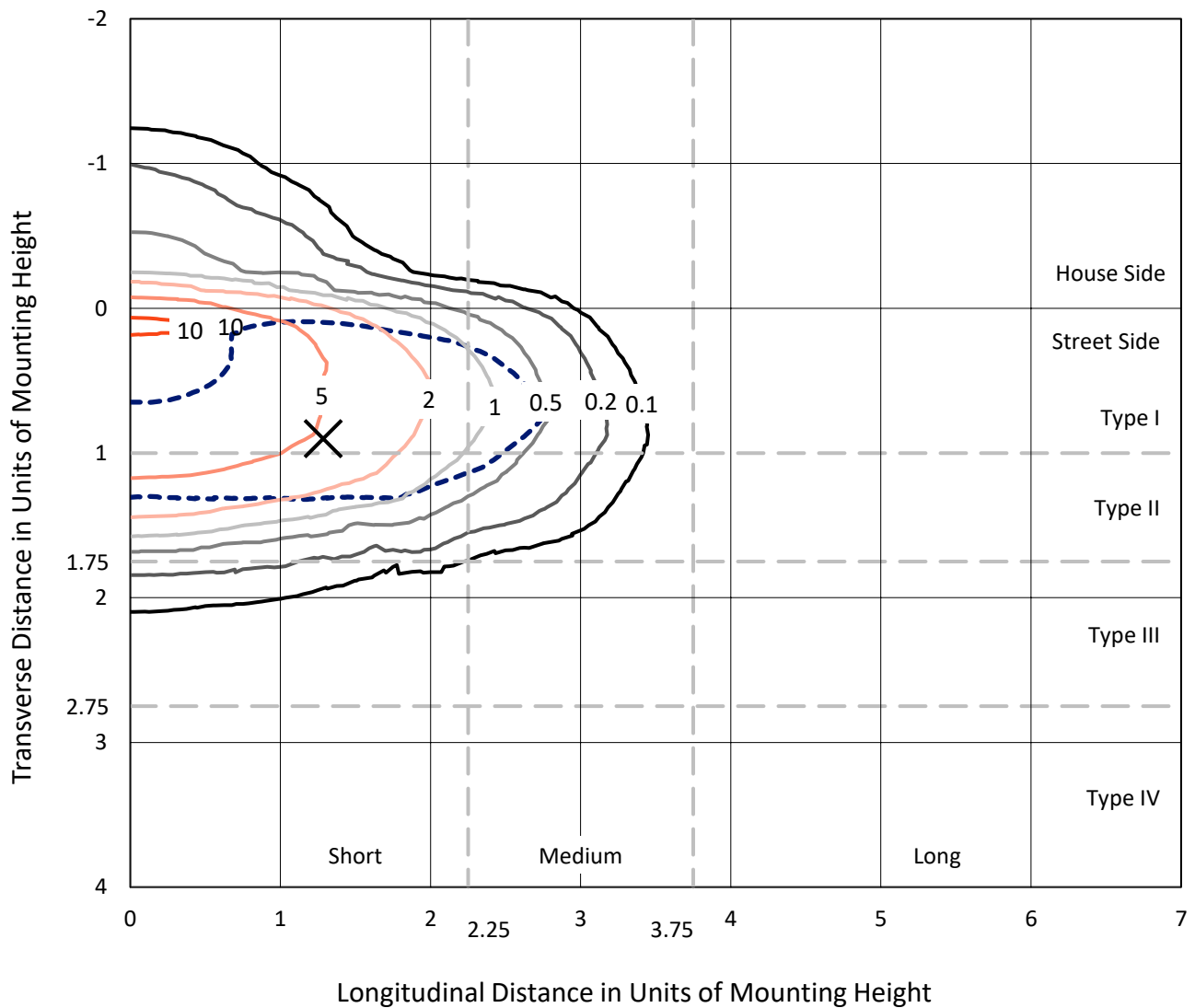
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956508
 CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

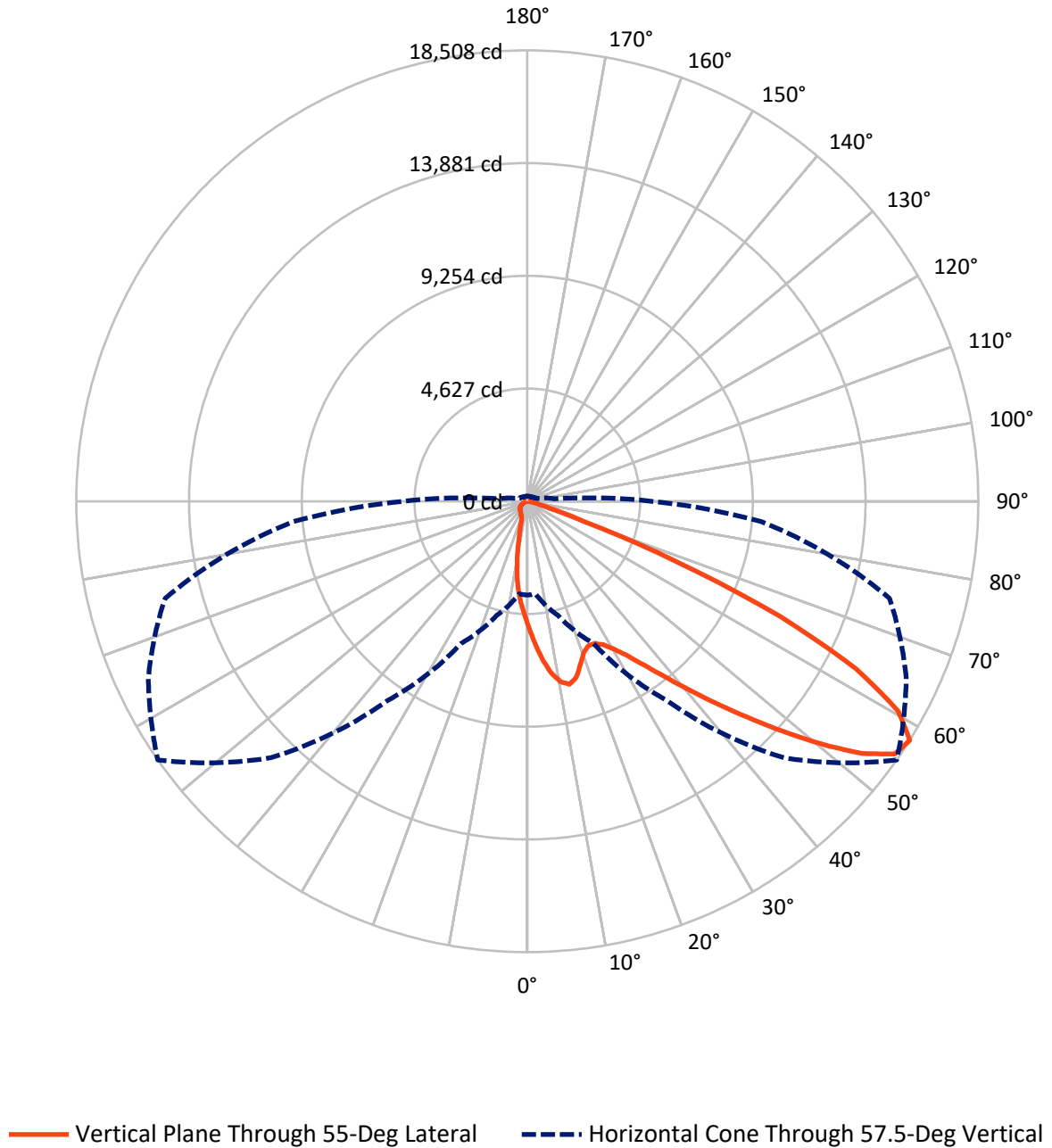
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

REPORT NUMBER: P956508
CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P956508
 CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1656.0	0.0	1656.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	19549.0	0.0	19549.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	21205.0	0.0	21205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	2.2
10°-20°	1148.4	5.4
20°-30°	1837.5	8.7
30°-40°	3110.1	14.7
40°-50°	5106.1	24.1
50°-60°	5611.9	26.5
60°-70°	3219.0	15.2
70°-80°	657.7	3.1
80°-90°	38.8	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°	21205.0	100.0
0°-180°	21205.0	100.0

Coefficient of Utilization



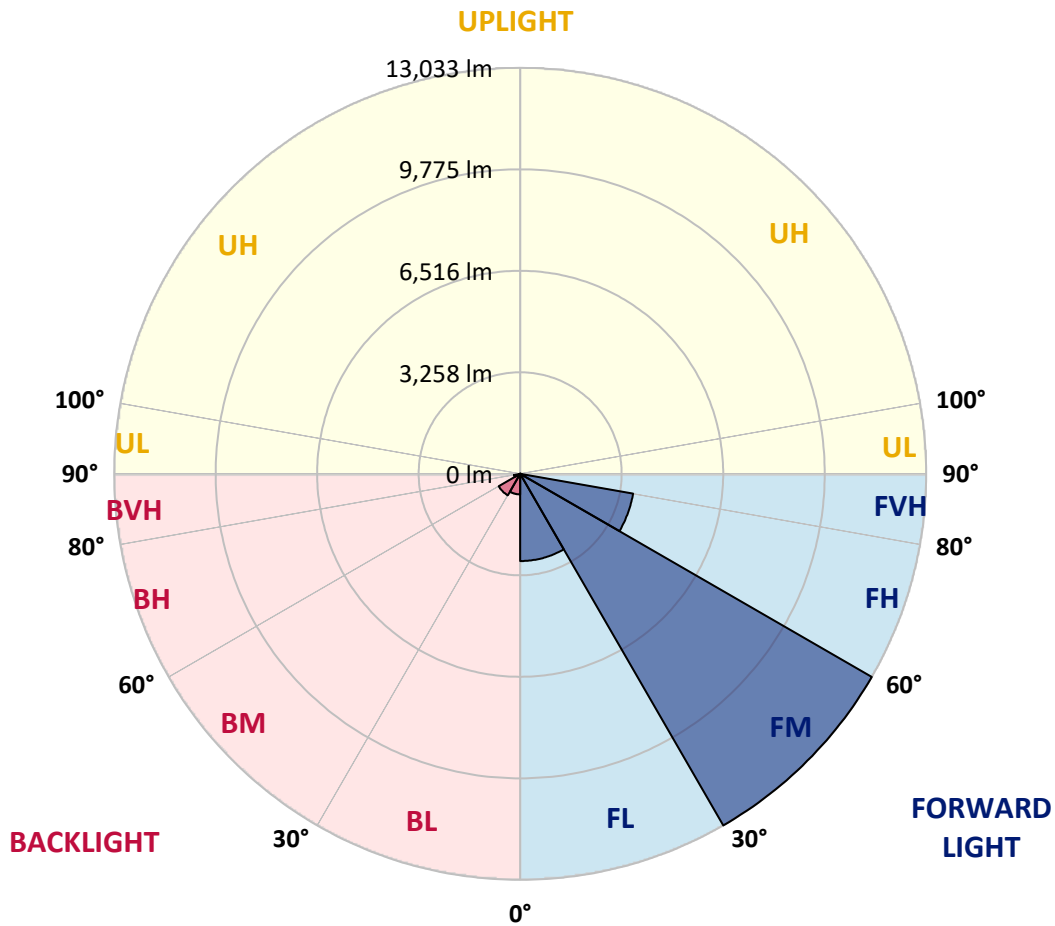
REPORT NUMBER: P956508
 CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2800.2	13.2			
FM (30°-60°)	13032.7	61.5			
FH (60°-80°)	3679.8	17.4			G2/5000
FVH (80°-90°)	36.2	0.2			G1/100
BL (0°-30°)	661.1	3.1	B2/1000		
BM (30°-60°)	795.3	3.8	B1/1000		
BH (60°-80°)	196.9	0.9	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P956508
 CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9
2.5°	6340.3	6260.5	6248.8	6233.1	6081.4	5967.6	5802.9	5622.4	5419.8	5213.2
5°	7324.9	7262.1	7250.3	7177.1	7004.5	6811.0	6518.1	6148.1	5770.2	5325.6
7.5°	7515.8	7504.0	7557.6	7555.0	7531.5	7378.5	7131.3	6690.7	6123.2	5464.2
10°	6664.6	6694.6	6854.1	6994.1	7371.9	7591.6	7538.0	7174.5	6486.7	5622.4
12.5°	5889.2	5853.9	5967.6	6125.8	6565.2	7219.0	7706.7	7578.5	6902.5	5801.6
15°	5402.8	5388.4	5452.5	5525.7	5860.4	6519.4	7510.5	7906.7	7302.6	6013.4
17.5°	5247.2	5235.4	5255.0	5273.3	5490.4	6000.3	7043.7	8108.1	7685.7	6255.3
20°	5374.0	5358.3	5355.7	5341.3	5431.5	5779.3	6621.4	8122.5	8029.6	6475.0
22.5°	5744.0	5725.7	5661.7	5604.1	5612.0	5809.4	6433.1	7978.6	8288.5	6680.2
25°	6414.8	6384.7	6251.4	6057.9	5934.9	6018.6	6461.9	7789.0	8535.6	6841.1
27.5°	7254.3	7215.0	7043.7	6756.1	6475.0	6373.0	6669.8	7658.3	8740.9	6964.0
30°	8076.7	8025.7	7857.0	7633.4	7222.9	6901.2	7045.0	7715.8	8985.4	7092.1
32.5°	8964.5	8916.1	8692.6	8415.4	8075.4	7642.6	7558.9	7996.9	9284.9	7271.3
35°	10087.7	10011.9	9694.1	9316.3	8955.4	8517.3	8254.5	8482.0	9683.7	7544.5
37.5°	11366.5	11264.5	10921.9	10400.2	9929.5	9439.2	9101.8	9148.9	10268.1	7910.6
40°	12572.0	12479.2	12162.8	11671.1	11080.1	10485.2	10125.6	10021.0	11074.9	8356.5
42.5°	13295.1	13211.4	13078.1	12870.2	12372.0	11765.3	11311.6	11085.4	12029.4	8890.0
45°	13335.6	13262.4	13441.6	13683.4	13585.4	13181.4	12628.3	12213.8	12987.8	9390.8
47.5°	12687.1	12637.4	13181.4	14026.0	14447.1	14617.0	14107.1	13248.0	13778.9	9750.4
50°	10919.3	10901.0	12020.3	13571.0	14775.2	15874.9	15667.0	14210.4	14392.1	9936.0
52.5°	9467.9	9401.2	10053.7	12114.4	14298.0	16536.5	17191.6	15154.4	14821.0	9971.3
55°	7181.0	7122.2	7940.7	9677.1	12759.0	16301.2	18306.9	16128.6	15128.3	9881.1
57.5°	3852.0	3815.4	4849.7	6441.0	9973.9	14889.0	18508.3	17158.9	15387.2	9641.8
60°	1499.8	1493.2	1880.2	3125.0	6061.8	12113.1	17492.3	17777.4	15549.3	9347.6
62.5°	907.4	927.0	989.8	1403.0	2677.9	7524.9	15150.5	17073.9	15657.8	9078.3
65°	750.5	751.8	759.7	963.7	1282.7	3148.6	11405.7	14759.6	15389.8	8598.4
67.5°	643.3	655.1	685.2	764.9	904.8	1380.8	6566.5	11433.2	13759.3	7481.8
70°	507.3	523.0	560.9	628.9	698.2	864.3	2426.8	7607.3	10511.3	5639.4
72.5°	427.6	426.3	445.9	511.2	554.4	608.0	933.6	4262.6	6108.8	2692.2
75°	330.8	343.9	368.7	427.6	453.7	440.6	506.0	1557.3	2188.8	815.9
77.5°	258.9	269.4	291.6	349.1	375.3	312.5	291.6	557.0	703.5	292.9
80°	116.4	125.5	198.7	257.6	306.0	215.7	158.2	285.0	312.5	133.4
82.5°	20.9	35.3	116.4	136.0	156.9	139.9	82.4	147.8	153.0	53.6
85°	1.3	2.6	40.5	49.7	62.8	45.8	24.8	58.8	51.0	18.3
87.5°	0.0	0.0	0.0	1.3	1.3	6.5	7.8	10.5	7.8	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956508
 CATALOG NUMBER: GALN-SB9A-927-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5109.9	0°	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9	5109.9
5121.7	2.5°	5027.5	4841.8	4661.4	4513.6	4427.3	4280.9	4184.1	4168.5	4127.9	4163.2
5134.7	5°	4930.7	4598.6	4262.6	3961.9	3714.7	3395.7	3157.7	3057.0	2969.4	2999.5
5168.7	7.5°	4885.0	4360.7	3837.6	3323.8	2795.5	2285.6	1906.4	1748.2	1627.9	1644.9
5206.6	10°	4823.5	4113.5	3293.7	2509.2	1801.8	1298.4	1036.9	940.1	886.5	887.8
5262.9	12.5°	4776.5	3818.0	2662.2	1701.1	1097.0	829.0	747.9	724.4	708.7	710.0
5347.9	15°	4752.9	3470.2	2038.5	1133.6	784.5	702.2	682.5	672.1	661.6	660.3
5442.0	17.5°	4713.7	3083.2	1491.9	827.7	686.5	657.7	640.7	628.9	615.9	613.2
5523.1	20°	4654.9	2643.9	1090.5	699.5	643.3	621.1	597.5	581.9	566.2	563.6
5574.1	22.5°	4546.3	2179.7	838.1	647.2	611.9	587.1	558.3	540.0	524.3	521.7
5549.2	25°	4345.0	1744.3	706.1	614.5	584.5	554.4	523.0	498.2	483.8	481.2
5495.6	27.5°	4090.0	1370.3	640.7	584.5	549.2	521.7	486.4	462.9	449.8	447.2
5425.0	30°	3789.3	1055.2	602.8	550.5	507.3	483.8	452.4	432.8	425.0	425.0
5375.3	32.5°	3465.0	843.4	587.1	516.5	470.7	444.6	419.7	411.9	409.3	408.0
5402.8	35°	3160.3	732.2	579.2	489.0	438.0	413.2	402.7	404.0	409.3	409.3
5487.8	37.5°	2889.7	696.9	575.3	469.4	409.3	387.0	393.6	405.3	400.1	400.1
5636.8	40°	2645.2	700.8	572.7	455.0	385.7	372.7	385.7	376.6	363.5	362.2
5818.6	42.5°	2458.2	733.5	567.5	443.3	371.3	362.2	357.0	342.6	341.3	343.9
6006.9	45°	2322.2	762.3	566.2	438.0	355.7	338.7	332.1	317.7	343.9	350.4
6084.0	47.5°	2161.4	762.3	566.2	419.7	329.5	323.0	312.5	296.8	323.0	329.5
6010.8	50°	1953.5	713.9	543.9	398.8	308.6	304.7	286.4	266.7	261.5	265.4
5839.5	52.5°	1690.7	626.3	487.7	370.0	287.7	279.8	257.6	243.2	239.3	239.3
5532.2	55°	1391.2	524.3	411.9	328.2	265.4	251.0	235.4	228.8	224.9	222.3
5102.0	57.5°	1131.0	430.2	330.8	291.6	244.5	226.2	221.0	213.1	206.6	202.7
4742.5	60°	928.4	338.7	273.3	258.9	223.6	206.6	205.3	194.8	177.8	175.2
4445.6	62.5°	716.5	248.4	230.1	224.9	202.7	188.3	185.7	164.8	138.6	133.4
4024.6	65°	506.0	193.5	185.7	197.4	180.4	167.4	160.8	129.4	102.0	98.1
3368.2	67.5°	355.7	162.1	146.4	172.6	156.9	139.9	136.0	109.8	85.0	82.4
2547.1	70°	253.7	132.1	120.3	147.8	125.5	122.9	115.1	91.5	69.3	66.7
1260.5	72.5°	179.1	100.7	92.8	128.1	86.3	105.9	94.1	70.6	52.3	49.7
428.9	75°	132.1	71.9	65.4	74.5	62.8	79.8	66.7	47.1	32.7	31.4
193.5	77.5°	96.8	45.8	39.2	36.6	36.6	49.7	36.6	19.6	14.4	13.1
98.1	80°	68.0	20.9	18.3	15.7	14.4	11.8	5.2	2.6	1.3	1.3
34.0	82.5°	40.5	9.2	9.2	6.5	3.9	0.0	0.0	0.0	0.0	0.0
13.1	85°	9.2	3.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
5.2	87.5°	1.3	1.3	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

