

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: STREETWORKS

Report Number: P948549

Luminaire Tested: **GLAN-SB3C-827-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948549
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: STREETWORKS
Catalog Number: GLAN-SB3C-827-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 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: 16660 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

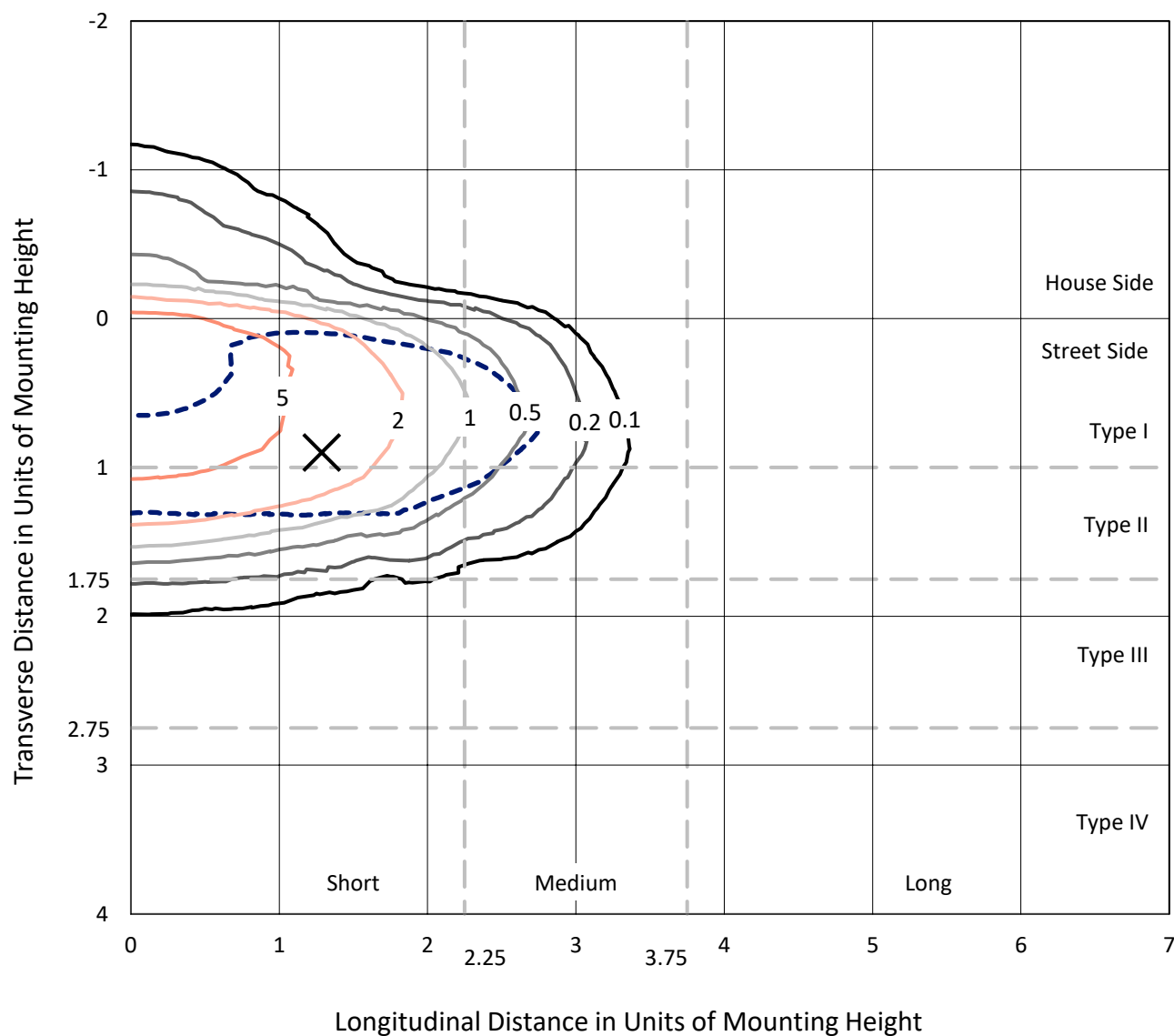
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948549
CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

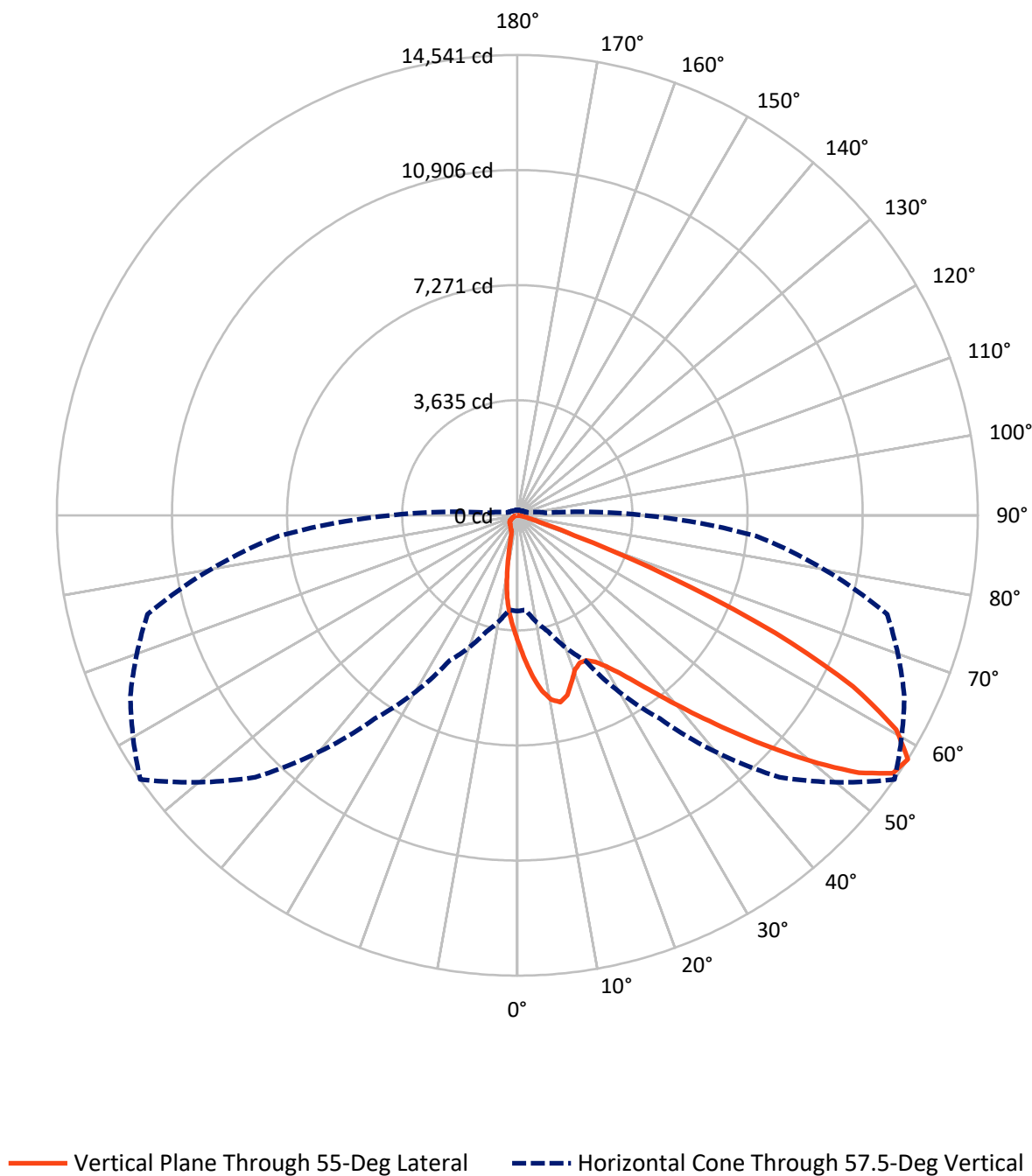
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Short - N/A

REPORT NUMBER: P948549
CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P948549

CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1301.1	0.0	1301.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	15358.9	0.0	15358.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	16660.0	0.0	16660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.5	2.2
10°-20°	902.3	5.4
20°-30°	1443.7	8.7
30°-40°	2443.5	14.7
40°-50°	4011.7	24.1
50°-60°	4409.1	26.5
60°-70°	2529.1	15.2
70°-80°	516.8	3.1
80°-90°	30.5	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°	16660.0	100.0
0°-180°	16660.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948549

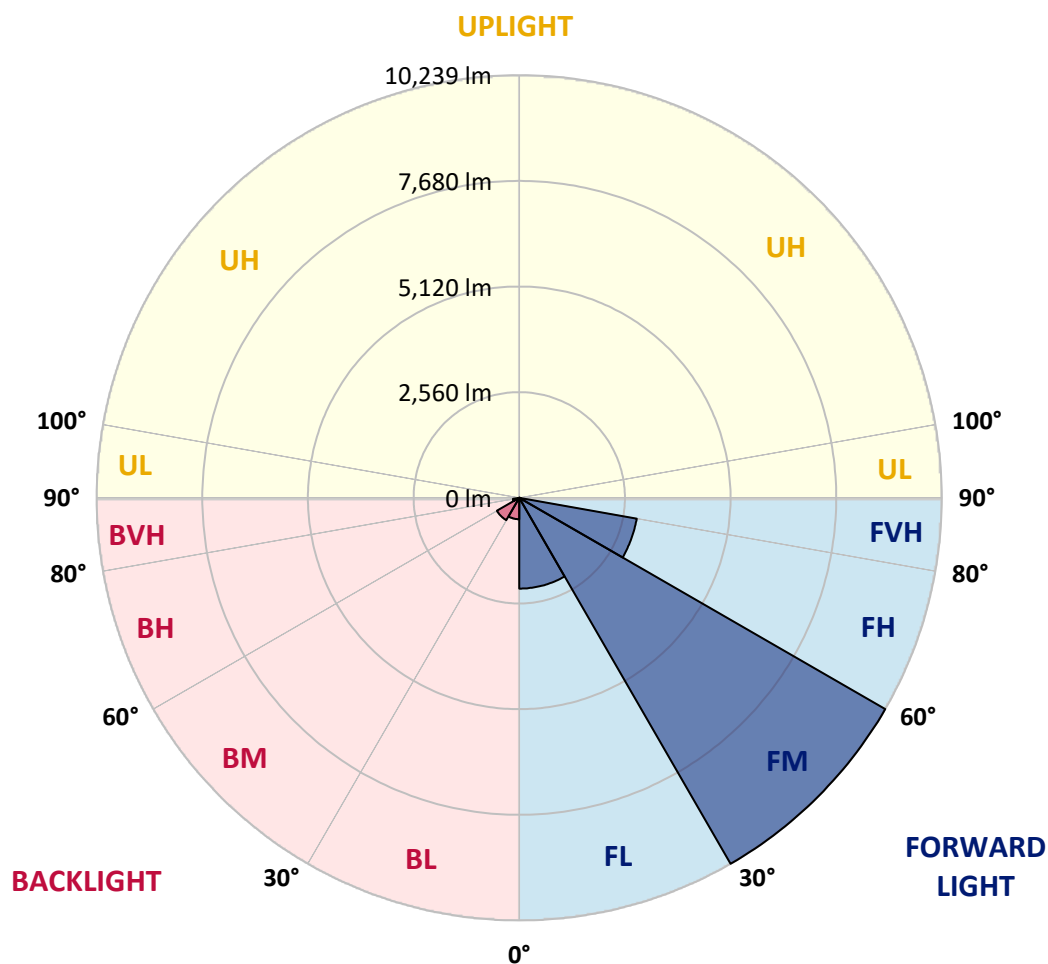
CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2200.1	13.2			
FM	(30°-60°)	10239.4	61.5			
FH	(60°-80°)	2891.1	17.4			G2/5000
FVH	(80°-90°)	28.4	0.2			G1/100
BL	(0°-30°)	519.4	3.1	B2/1000		
BM	(30°-60°)	624.9	3.8	B1/1000		
BH	(60°-80°)	154.7	0.9	B1/500		G1/500
BVH	(80°-90°)	2.1	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: P948549

CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6
2.5°	4981.3	4918.7	4909.4	4897.1	4777.9	4688.6	4559.1	4417.3	4258.1	4095.8
5°	5754.9	5705.6	5696.3	5638.8	5503.2	5351.2	5121.0	4830.3	4533.4	4184.2
7.5°	5904.9	5895.6	5937.7	5935.7	5917.2	5797.0	5602.8	5256.6	4810.8	4293.0
10°	5236.1	5259.7	5385.1	5495.0	5791.9	5964.4	5922.3	5636.7	5096.4	4417.3
12.5°	4626.9	4599.2	4688.6	4812.9	5158.0	5671.7	6054.8	5954.2	5423.1	4558.1
15°	4244.8	4233.5	4283.8	4341.3	4604.3	5122.1	5900.8	6212.0	5737.4	4724.5
17.5°	4122.5	4113.3	4128.7	4143.1	4313.6	4714.2	5534.0	6370.2	6038.4	4914.6
20°	4222.2	4209.8	4207.8	4196.5	4267.4	4540.6	5202.2	6381.5	6308.6	5087.1
22.5°	4512.9	4498.5	4448.2	4403.0	4409.1	4564.2	5054.3	6268.5	6512.0	5248.4
25°	5039.9	5016.3	4911.5	4759.4	4662.9	4728.6	5076.9	6119.6	6706.1	5374.8
27.5°	5699.4	5668.6	5534.0	5308.0	5087.1	5007.0	5240.2	6016.8	6867.4	5471.3
30°	6345.6	6305.5	6173.0	5997.3	5674.8	5422.0	5535.0	6062.0	7059.5	5572.0
32.5°	7043.1	7005.1	6829.4	6611.6	6344.5	6004.5	5938.8	6282.9	7294.8	5712.8
35°	7925.5	7866.0	7616.3	7319.4	7035.9	6691.8	6485.3	6664.0	7608.1	5927.5
37.5°	8930.2	8850.1	8581.0	8171.1	7801.2	7416.0	7151.0	7187.9	8067.3	6215.1
40°	9877.4	9804.5	9555.9	9169.6	8705.3	8237.8	7955.3	7873.2	8701.1	6565.4
42.5°	10445.5	10379.7	10275.0	10111.6	9720.2	9243.6	8887.1	8709.4	9451.1	6984.5
45°	10477.3	10419.8	10560.5	10750.6	10673.5	10356.1	9921.6	9595.9	10204.1	7378.0
47.5°	9967.8	9928.8	10356.1	11019.7	11350.5	11484.1	11083.4	10408.5	10825.6	7660.5
50°	8578.9	8564.5	9443.9	10662.2	11608.4	12472.3	12309.0	11164.6	11307.4	7806.4
52.5°	7438.6	7386.2	7898.8	9517.8	11233.4	12992.1	13506.8	11906.3	11644.3	7834.1
55°	5641.9	5595.6	6238.7	7603.0	10024.3	12807.2	14383.1	12671.6	11885.7	7763.2
57.5°	3026.4	2997.6	3810.2	5060.4	7836.2	11697.8	14541.3	13481.1	12089.1	7575.2
60°	1178.3	1173.2	1477.2	2455.2	4762.5	9516.8	13743.1	13967.0	12216.5	7344.1
62.5°	712.9	728.3	777.7	1102.3	2103.9	5912.1	11903.2	13414.4	12301.8	7132.5
65°	589.7	590.7	596.9	757.1	1007.8	2473.7	8961.1	11596.0	12091.2	6755.5
67.5°	505.4	514.7	538.3	601.0	710.9	1084.8	5159.1	8982.6	10810.2	5878.2
70°	398.6	410.9	440.7	494.1	548.6	679.0	1906.7	5976.8	8258.4	4430.7
72.5°	335.9	334.9	350.3	401.7	435.6	477.7	733.5	3349.0	4799.5	2115.2
75°	259.9	270.2	289.7	335.9	356.5	346.2	397.6	1223.5	1719.7	641.0
77.5°	203.4	211.6	229.1	274.3	294.8	245.5	229.1	437.6	552.7	230.1
80°	91.4	98.6	156.1	202.4	240.4	169.5	124.3	223.9	245.5	104.8
82.5°	16.4	27.7	91.4	106.8	123.3	109.9	64.7	116.1	120.2	42.1
85°	1.0	2.1	31.8	39.0	49.3	36.0	19.5	46.2	40.1	14.4
87.5°	0.0	0.0	0.0	1.0	1.0	5.1	6.2	8.2	6.2	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948549

CATALOG NUMBER: GLAN-SB3C-827-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4014.6	0°	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6	4014.6
4023.9	2.5°	3949.9	3804.1	3662.3	3546.2	3478.4	3363.3	3287.3	3275.0	3243.2	3270.9
4034.2	5°	3873.9	3613.0	3349.0	3112.7	2918.5	2667.9	2480.9	2401.8	2333.0	2356.6
4060.9	7.5°	3838.0	3426.0	3015.1	2611.4	2196.3	1795.7	1497.8	1373.5	1279.0	1292.3
4090.7	10°	3789.7	3231.9	2587.7	1971.4	1415.6	1020.1	814.6	738.6	696.5	697.5
4134.8	12.5°	3752.7	2999.7	2091.6	1336.5	861.9	651.3	587.6	569.1	556.8	557.8
4201.6	15°	3734.2	2726.4	1601.5	890.7	616.4	551.7	536.2	528.0	519.8	518.8
4275.6	17.5°	3703.4	2422.3	1172.1	650.3	539.3	516.7	503.4	494.1	483.9	481.8
4339.3	20°	3657.2	2077.2	856.8	549.6	505.4	488.0	469.5	457.1	444.8	442.8
4379.3	22.5°	3571.9	1712.5	658.5	508.5	480.8	461.3	438.7	424.3	411.9	409.9
4359.8	25°	3413.7	1370.4	554.7	482.8	459.2	435.6	410.9	391.4	380.1	378.0
4317.7	27.5°	3213.4	1076.6	503.4	459.2	431.5	409.9	382.2	363.7	353.4	351.3
4262.2	30°	2977.1	829.0	473.6	432.5	398.6	380.1	355.4	340.0	333.9	333.9
4223.2	32.5°	2722.3	662.6	461.3	405.8	369.8	349.3	329.8	323.6	321.5	320.5
4244.8	35°	2483.0	575.3	455.1	384.2	344.1	324.6	316.4	317.4	321.5	321.5
4311.5	37.5°	2270.3	547.5	452.0	368.8	321.5	304.1	309.2	318.5	314.4	314.4
4428.6	40°	2078.2	550.6	450.0	357.5	303.1	292.8	303.1	295.9	285.6	284.6
4571.4	42.5°	1931.3	576.3	445.8	348.3	291.8	284.6	280.5	269.1	268.1	270.2
4719.4	45°	1824.5	598.9	444.8	344.1	279.4	266.1	260.9	249.6	270.2	275.3
4780.0	47.5°	1698.1	598.9	444.8	329.8	258.9	253.7	245.5	233.2	253.7	258.9
4722.5	50°	1534.8	560.9	427.4	313.3	242.4	239.4	225.0	209.6	205.5	208.5
4587.9	52.5°	1328.3	492.1	383.2	290.7	226.0	219.8	202.4	191.1	188.0	188.0
4346.5	55°	1093.0	411.9	323.6	257.8	208.5	197.2	184.9	179.8	176.7	174.6
4008.5	57.5°	888.6	338.0	259.9	229.1	192.1	177.7	173.6	167.4	162.3	159.2
3726.0	60°	729.4	266.1	214.7	203.4	175.7	162.3	161.3	153.1	139.7	137.7
3492.8	62.5°	563.0	195.2	180.8	176.7	159.2	147.9	145.9	129.4	108.9	104.8
3162.0	65°	397.6	152.0	145.9	155.1	141.8	131.5	126.4	101.7	80.1	77.0
2646.3	67.5°	279.4	127.4	115.1	135.6	123.3	109.9	106.8	86.3	66.8	64.7
2001.2	70°	199.3	103.8	94.5	116.1	98.6	96.6	90.4	71.9	54.4	52.4
990.3	72.5°	140.7	79.1	72.9	100.7	67.8	83.2	74.0	55.5	41.1	39.0
337.0	75°	103.8	56.5	51.4	58.6	49.3	62.7	52.4	37.0	25.7	24.7
152.0	77.5°	76.0	36.0	30.8	28.8	28.8	39.0	28.8	15.4	11.3	10.3
77.0	80°	53.4	16.4	14.4	12.3	11.3	9.2	4.1	2.1	1.0	1.0
26.7	82.5°	31.8	7.2	7.2	5.1	3.1	0.0	0.0	0.0	0.0	0.0
10.3	85°	7.2	3.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	87.5°	1.0	1.0	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

