

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: P945147

Luminaire Tested: **GLAN-SB1A-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945147
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-SB1A-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

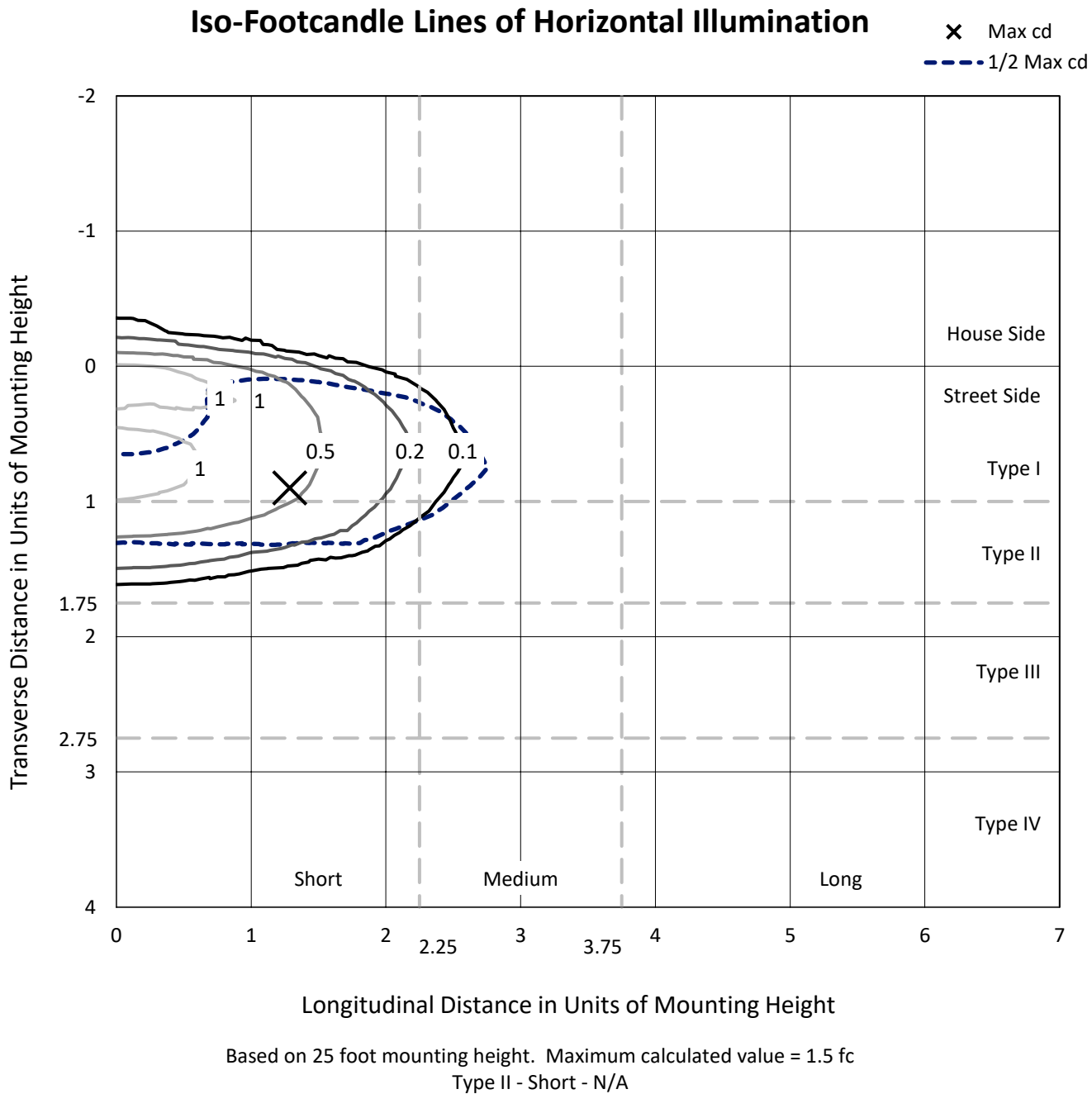
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2772 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

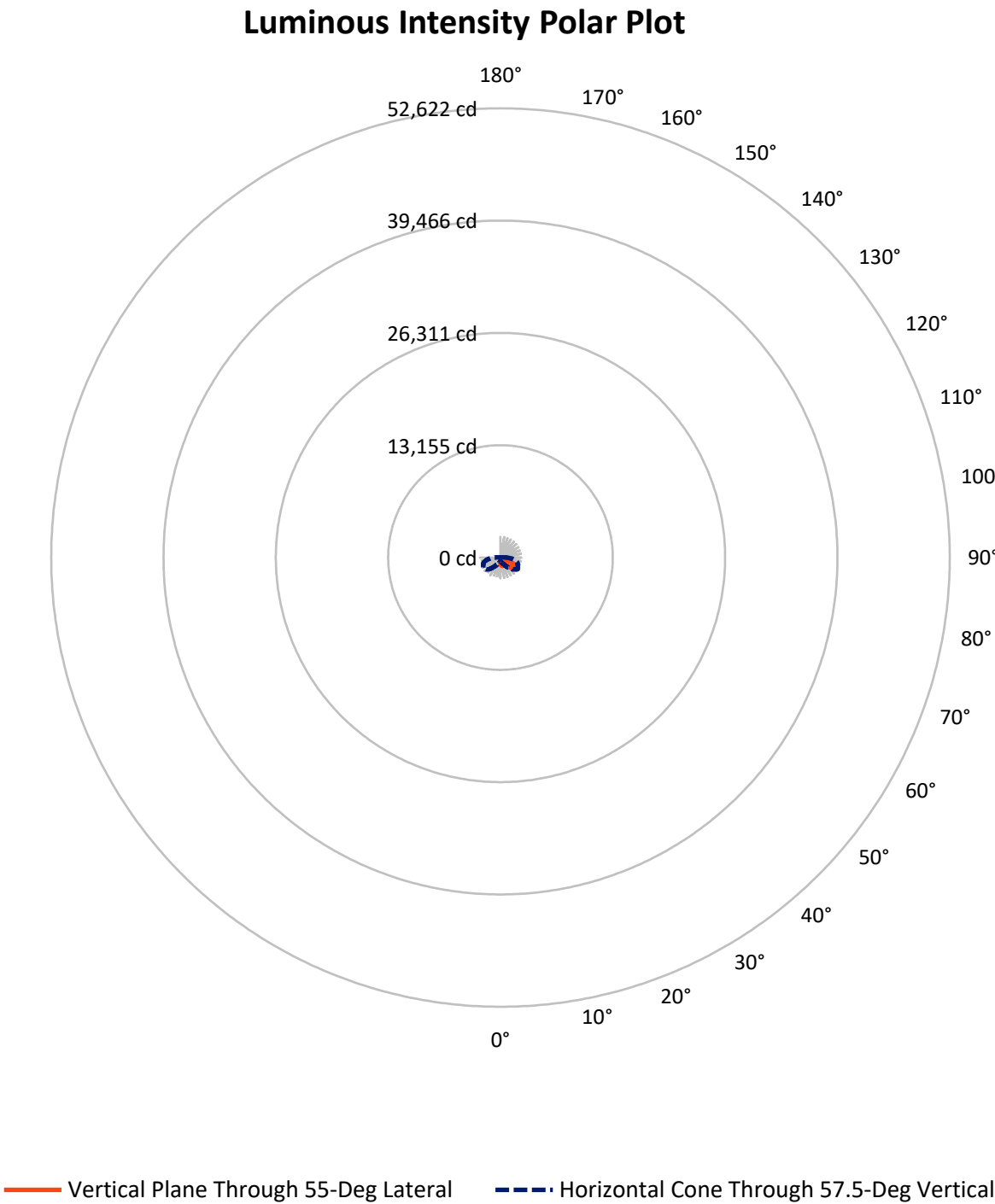
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945147
CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS



REPORT NUMBER: P945147
CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS



REPORT NUMBER: P945147

CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.5	0.0	216.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	2555.5	0.0	2555.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	2772.0	0.0	2772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	2.2
10°-20°	150.1	5.4
20°-30°	240.2	8.7
30°-40°	406.6	14.7
40°-50°	667.5	24.1
50°-60°	733.6	26.5
60°-70°	420.8	15.2
70°-80°	86.0	3.1
80°-90°	5.1	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°	2772.0	100.0
0°-180°	2772.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945147

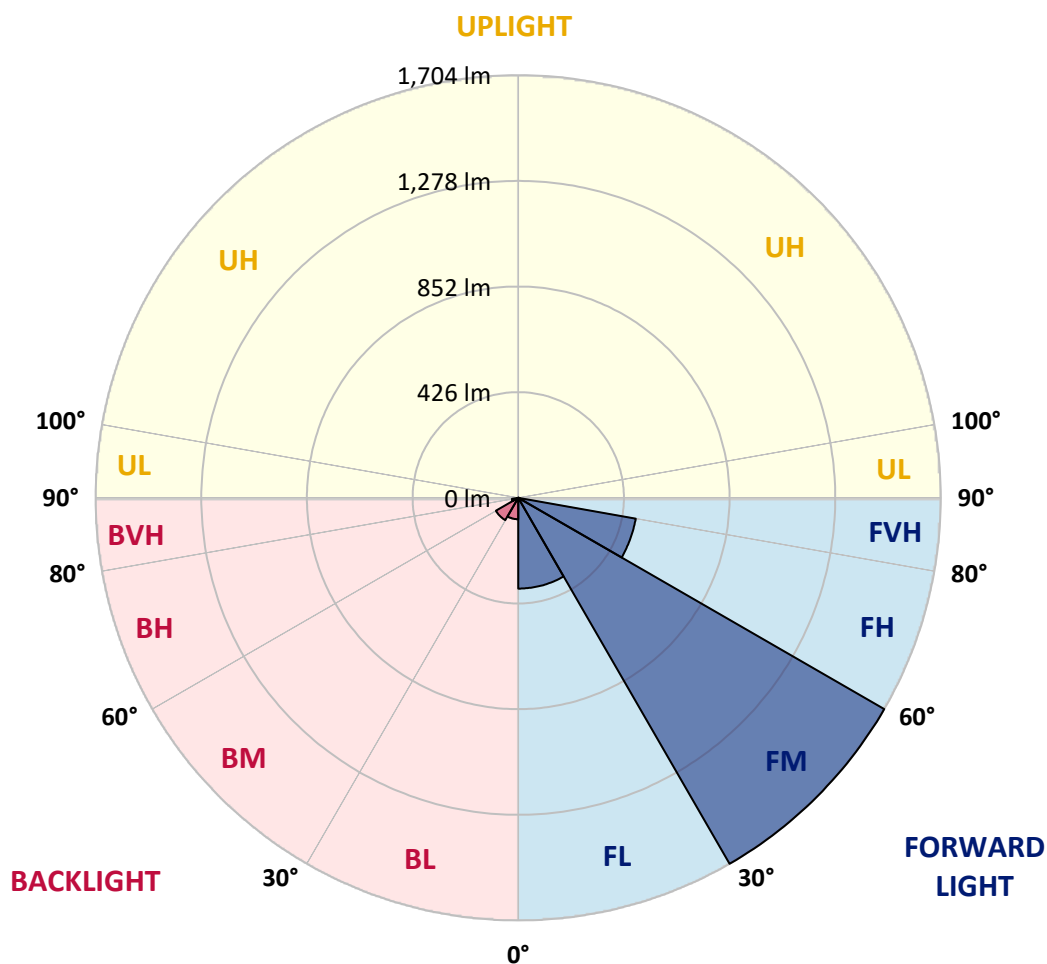
CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.1	13.2			
FM	(30°-60°)	1703.7	61.5			
FH	(60°-80°)	481.0	17.4			G0/660
FVH	(80°-90°)	4.7	0.2			G0/10
BL	(0°-30°)	86.4	3.1	B0/110		
BM	(30°-60°)	104.0	3.8	B0/220		
BH	(60°-80°)	25.7	0.9	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short



REPORT NUMBER: P945147

CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0
2.5°	828.8	818.4	816.9	814.8	795.0	780.1	758.6	735.0	708.5	681.5
5°	957.5	949.3	947.8	938.2	915.7	890.4	852.1	803.7	754.3	696.2
7.5°	982.5	981.0	988.0	987.6	984.5	964.5	932.2	874.6	800.5	714.3
10°	871.2	875.1	896.0	914.3	963.7	992.4	985.4	937.9	848.0	735.0
12.5°	769.9	765.2	780.1	800.8	858.2	943.7	1007.4	990.7	902.3	758.4
15°	706.3	704.4	712.8	722.3	766.1	852.2	981.8	1033.6	954.6	786.1
17.5°	685.9	684.4	687.0	689.3	717.7	784.4	920.8	1059.9	1004.7	817.7
20°	702.5	700.5	700.1	698.2	710.0	755.5	865.6	1061.8	1049.7	846.4
22.5°	750.9	748.5	740.1	732.6	733.6	759.4	841.0	1043.0	1083.5	873.3
25°	838.6	834.6	817.2	791.9	775.8	786.8	844.7	1018.2	1115.8	894.3
27.5°	948.3	943.2	920.8	883.2	846.4	833.1	871.9	1001.1	1142.6	910.4
30°	1055.8	1049.2	1027.1	997.9	944.2	902.2	921.0	1008.6	1174.6	927.1
32.5°	1171.9	1165.6	1136.3	1100.1	1055.6	999.1	988.1	1045.4	1213.8	950.5
35°	1318.7	1308.8	1267.3	1217.9	1170.7	1113.4	1079.1	1108.8	1265.9	986.3
37.5°	1485.9	1472.5	1427.8	1359.6	1298.0	1233.9	1189.8	1196.0	1342.3	1034.1
40°	1643.5	1631.3	1590.0	1525.7	1448.4	1370.7	1323.7	1310.0	1447.8	1092.4
42.5°	1738.0	1727.0	1709.6	1682.4	1617.3	1538.0	1478.7	1449.1	1572.5	1162.1
45°	1743.3	1733.7	1757.1	1788.8	1775.9	1723.1	1650.8	1596.6	1697.8	1227.6
47.5°	1658.5	1652.0	1723.1	1833.5	1888.6	1910.8	1844.1	1731.8	1801.2	1274.6
50°	1427.4	1425.0	1571.3	1774.1	1931.5	2075.2	2048.1	1857.6	1881.4	1298.9
52.5°	1237.7	1229.0	1314.3	1583.6	1869.1	2161.7	2247.4	1981.0	1937.5	1303.5
55°	938.7	931.0	1038.0	1265.0	1667.9	2130.9	2393.2	2108.4	1977.6	1291.7
57.5°	503.6	498.8	634.0	842.0	1303.8	1946.3	2419.5	2243.1	2011.5	1260.4
60°	196.1	195.2	245.8	408.5	792.4	1583.5	2286.7	2323.9	2032.7	1222.0
62.5°	118.6	121.2	129.4	183.4	350.1	983.7	1980.5	2232.0	2046.9	1186.7
65°	98.1	98.3	99.3	126.0	167.7	411.6	1491.0	1929.4	2011.8	1124.0
67.5°	84.1	85.6	89.6	100.0	118.3	180.5	858.4	1494.6	1798.7	978.0
70°	66.3	68.4	73.3	82.2	91.3	113.0	317.2	994.5	1374.1	737.2
72.5°	55.9	55.7	58.3	66.8	72.5	79.5	122.0	557.2	798.6	351.9
75°	43.2	45.0	48.2	55.9	59.3	57.6	66.1	203.6	286.1	106.7
77.5°	33.8	35.2	38.1	45.6	49.1	40.9	38.1	72.8	92.0	38.3
80°	15.2	16.4	26.0	33.7	40.0	28.2	20.7	37.3	40.9	17.4
82.5°	2.7	4.6	15.2	17.8	20.5	18.3	10.8	19.3	20.0	7.0
85°	0.2	0.3	5.3	6.5	8.2	6.0	3.2	7.7	6.7	2.4
87.5°	0.0	0.0	0.0	0.2	0.2	0.9	1.0	1.4	1.0	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945147

CATALOG NUMBER: GLAN-SB1A-940-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
668.0	0°	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0	668.0
669.5	2.5°	657.2	632.9	609.4	590.0	578.8	559.6	547.0	544.9	539.6	544.2
671.2	5°	644.6	601.2	557.2	517.9	485.6	443.9	412.8	399.6	388.2	392.1
675.7	7.5°	638.6	570.0	501.7	434.5	365.4	298.8	249.2	228.5	212.8	215.0
680.6	10°	630.6	537.7	430.6	328.0	235.5	169.7	135.5	122.9	115.9	116.1
688.0	12.5°	624.4	499.1	348.0	222.4	143.4	108.4	97.8	94.7	92.6	92.8
699.1	15°	621.3	453.6	266.5	148.2	102.6	91.8	89.2	87.9	86.5	86.3
711.4	17.5°	616.2	403.0	195.0	108.2	89.7	86.0	83.8	82.2	80.5	80.2
722.0	20°	608.5	345.6	142.6	91.4	84.1	81.2	78.1	76.1	74.0	73.7
728.7	22.5°	594.3	284.9	109.6	84.6	80.0	76.7	73.0	70.6	68.5	68.2
725.4	25°	568.0	228.0	92.3	80.3	76.4	72.5	68.4	65.1	63.2	62.9
718.4	27.5°	534.7	179.1	83.8	76.4	71.8	68.2	63.6	60.5	58.8	58.5
709.2	30°	495.3	137.9	78.8	72.0	66.3	63.2	59.1	56.6	55.6	55.6
702.7	32.5°	453.0	110.2	76.7	67.5	61.5	58.1	54.9	53.8	53.5	53.3
706.3	35°	413.1	95.7	75.7	63.9	57.3	54.0	52.6	52.8	53.5	53.5
717.4	37.5°	377.7	91.1	75.2	61.4	53.5	50.6	51.4	53.0	52.3	52.3
736.9	40°	345.8	91.6	74.9	59.5	50.4	48.7	50.4	49.2	47.5	47.3
760.6	42.5°	321.3	95.9	74.2	57.9	48.5	47.3	46.7	44.8	44.6	45.0
785.2	45°	303.6	99.7	74.0	57.3	46.5	44.3	43.4	41.5	45.0	45.8
795.3	47.5°	282.5	99.7	74.0	54.9	43.1	42.2	40.9	38.8	42.2	43.1
785.8	50°	255.4	93.3	71.1	52.1	40.3	39.8	37.4	34.9	34.2	34.7
763.4	52.5°	221.0	81.9	63.8	48.4	37.6	36.6	33.7	31.8	31.3	31.3
723.2	55°	181.9	68.5	53.8	42.9	34.7	32.8	30.8	29.9	29.4	29.1
667.0	57.5°	147.9	56.2	43.2	38.1	32.0	29.6	28.9	27.9	27.0	26.5
620.0	60°	121.4	44.3	35.7	33.8	29.2	27.0	26.8	25.5	23.2	22.9
581.2	62.5°	93.7	32.5	30.1	29.4	26.5	24.6	24.3	21.5	18.1	17.4
526.1	65°	66.1	25.3	24.3	25.8	23.6	21.9	21.0	16.9	13.3	12.8
440.3	67.5°	46.5	21.2	19.1	22.6	20.5	18.3	17.8	14.4	11.1	10.8
333.0	70°	33.2	17.3	15.7	19.3	16.4	16.1	15.0	12.0	9.1	8.7
164.8	72.5°	23.4	13.2	12.1	16.8	11.3	13.8	12.3	9.2	6.8	6.5
56.1	75°	17.3	9.4	8.5	9.7	8.2	10.4	8.7	6.2	4.3	4.1
25.3	77.5°	12.6	6.0	5.1	4.8	4.8	6.5	4.8	2.6	1.9	1.7
12.8	80°	8.9	2.7	2.4	2.1	1.9	1.5	0.7	0.3	0.2	0.2
4.4	82.5°	5.3	1.2	1.2	0.9	0.5	0.0	0.0	0.0	0.0	0.0
1.7	85°	1.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
0.7	87.5°	0.2	0.2	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

