

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: P939051

Luminaire Tested: **GALN-SB1C-722-U-SL4-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

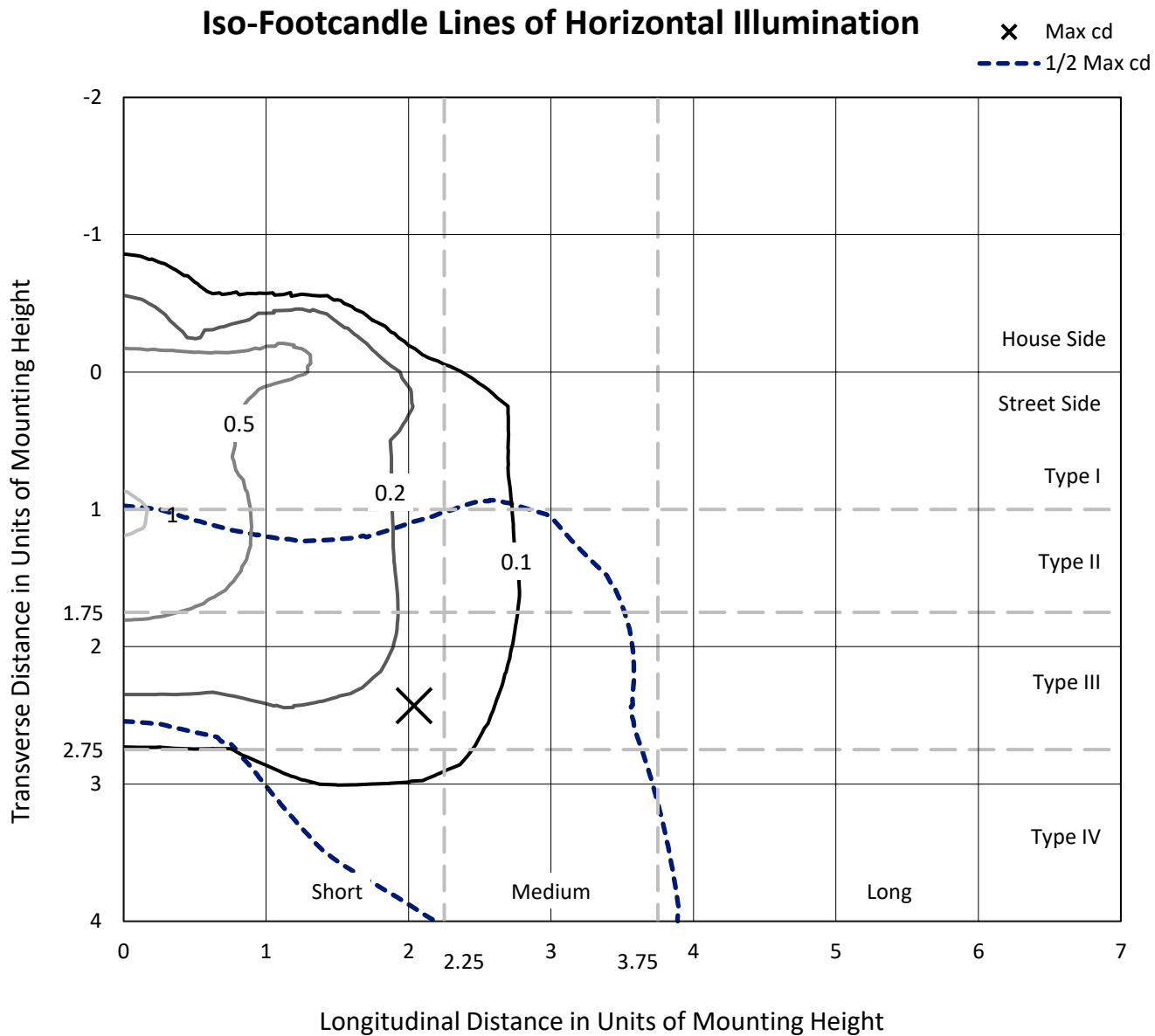
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4320 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4
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: P939051
CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

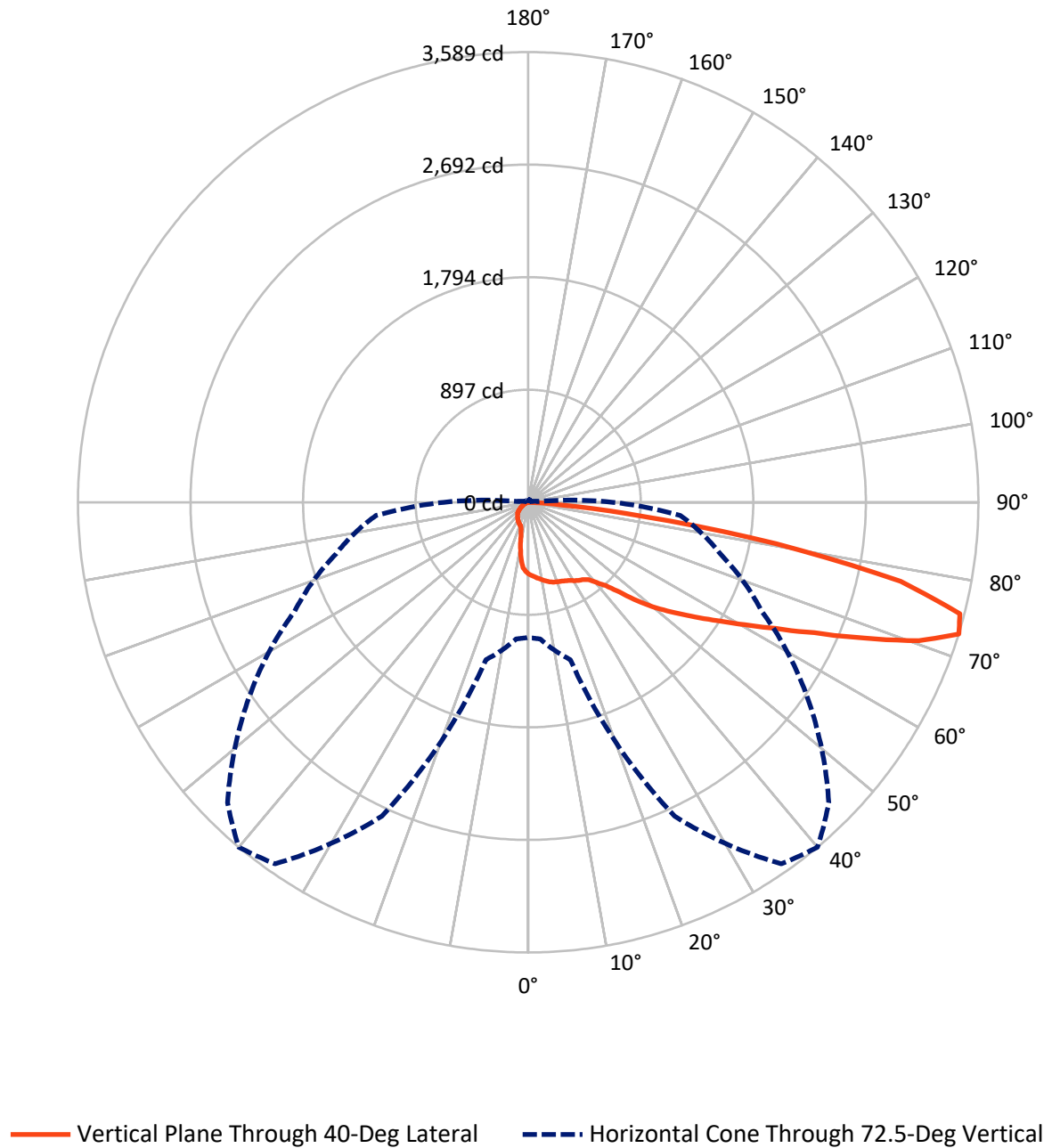


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

REPORT NUMBER: P939051

CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P939051

CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	557.9	0.0	557.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3762.1	0.0	3762.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	4320.0	0.0	4320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.2
10°-20°	141.9	3.3
20°-30°	229.5	5.3
30°-40°	338.9	7.8
40°-50°	570.4	13.2
50°-60°	885.6	20.5
60°-70°	1108.2	25.7
70°-80°	907.3	21.0
80°-90°	86.0	2.0
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°	4320.0	100.0
0°-180°	4320.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939051

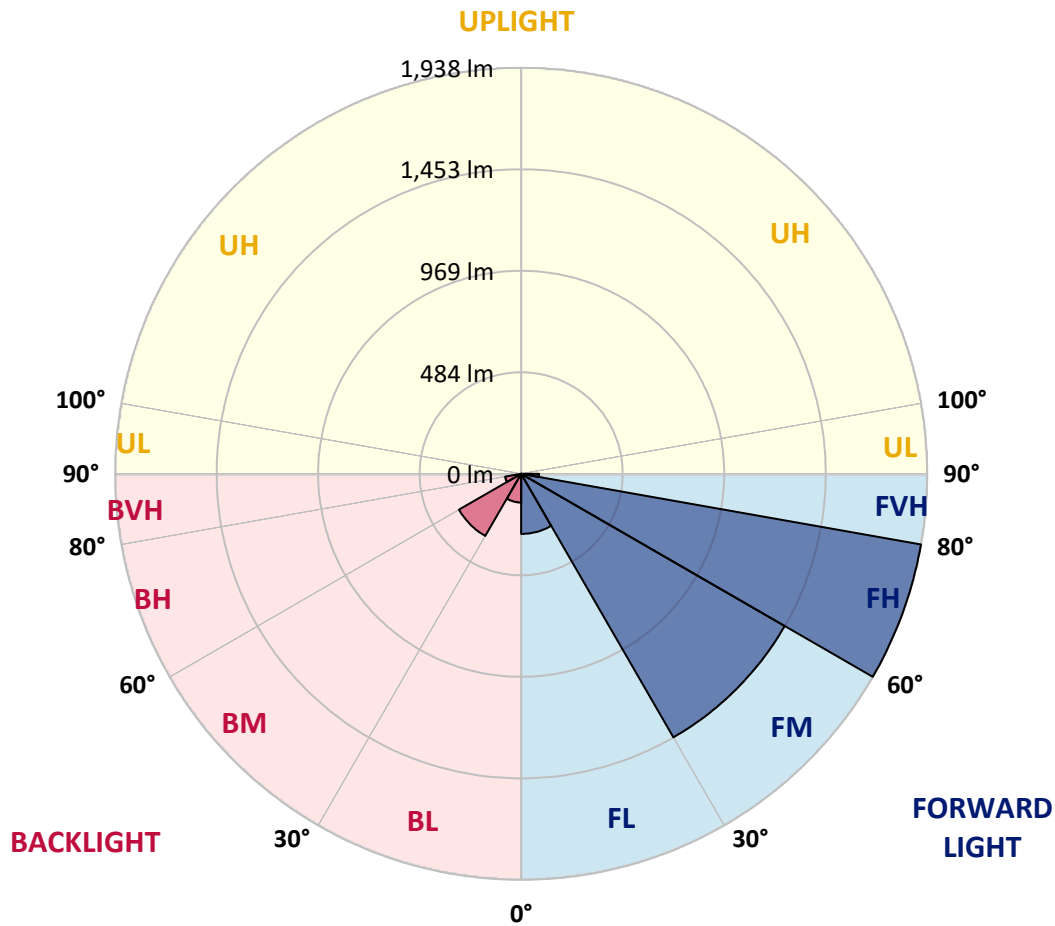
CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.7	6.6			
FM	(30°-60°)	1452.3	33.6			
FH	(60°-80°)	1937.7	44.9			G2/5000
FVH	(80°-90°)	85.4	2.0			G1/100
BL	(0°-30°)	136.9	3.2	B1/500		
BM	(30°-60°)	342.6	7.9	B1/1000		
BH	(60°-80°)	77.7	1.8	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P939051

CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	589.2	591.5	590.2	587.6	587.0	585.7	584.0	583.4	581.1	579.2	576.9
5°	605.8	608.1	606.5	602.9	601.3	599.7	597.4	595.4	590.9	586.6	581.4
7.5°	624.1	626.0	624.1	618.9	616.3	614.3	611.0	608.1	602.9	596.7	590.2
10°	644.2	645.9	642.9	636.1	631.9	628.9	626.0	622.8	617.9	611.0	603.2
12.5°	663.1	665.1	660.5	652.4	647.5	644.6	641.3	638.7	633.8	627.3	619.2
15°	680.4	683.3	675.5	666.7	661.2	658.9	655.6	654.0	650.7	646.2	638.7
17.5°	693.4	695.3	687.2	676.8	670.6	669.0	666.7	667.7	667.0	664.7	659.9
20°	704.4	705.7	695.0	682.3	675.5	675.8	675.1	678.4	679.7	679.7	679.4
22.5°	718.1	718.4	704.8	688.8	680.7	683.0	683.9	687.5	690.1	692.7	698.6
25°	736.0	735.3	719.1	697.3	690.1	693.4	695.6	696.9	699.9	704.1	717.4
27.5°	762.7	760.7	739.9	710.9	702.5	705.4	709.6	709.0	707.7	710.9	733.4
30°	796.5	793.9	766.2	730.1	722.3	724.9	726.2	720.4	710.9	713.9	747.4
32.5°	850.2	845.6	807.2	751.6	739.6	742.5	740.9	728.8	714.8	717.8	761.4
35°	943.6	932.5	878.2	796.5	759.1	755.8	751.9	740.2	723.0	720.0	773.1
37.5°	1142.1	1122.5	1029.8	884.0	803.3	782.2	770.2	758.4	731.8	720.0	786.4
40°	1365.9	1346.1	1239.0	1030.5	876.9	841.1	812.5	779.9	740.9	724.3	807.2
42.5°	1599.5	1577.7	1467.8	1212.0	982.0	908.4	855.1	797.2	755.8	737.3	834.9
45°	1860.5	1833.1	1689.3	1401.4	1134.6	1020.4	923.7	832.6	781.9	760.4	872.6
47.5°	2135.7	2100.3	1910.3	1585.2	1298.9	1175.2	1049.3	896.1	820.3	794.9	923.7
50°	2379.8	2344.6	2138.3	1777.5	1452.5	1322.6	1192.5	983.9	877.9	843.7	992.4
52.5°	2555.1	2528.5	2345.9	1976.0	1612.2	1460.9	1322.3	1086.1	950.7	906.2	1073.4
55°	2672.6	2648.2	2493.0	2164.0	1798.0	1613.2	1450.2	1197.0	1038.6	981.0	1162.9
57.5°	2743.9	2729.9	2599.4	2331.9	1982.2	1779.8	1596.6	1319.1	1142.1	1069.2	1262.8
60°	2769.2	2757.8	2665.4	2492.0	2204.7	1979.9	1768.7	1456.7	1267.6	1169.4	1365.3
62.5°	2701.6	2703.8	2712.9	2681.7	2439.3	2214.2	1975.0	1622.0	1406.9	1282.9	1461.6
65°	2383.0	2401.9	2575.0	2891.9	2750.0	2507.6	2237.6	1823.7	1566.3	1412.1	1538.0
67.5°	1973.1	2000.4	2215.8	3014.9	3081.3	2888.6	2603.3	2080.8	1756.4	1543.6	1567.0
70°	1510.4	1539.7	1800.6	2989.2	3391.3	3305.1	3055.6	2407.7	1953.2	1634.7	1493.1
72.5°	1078.0	1092.9	1298.6	2760.5	3518.6	3588.8	3388.7	2717.5	2053.7	1584.2	1217.9
75°	757.5	754.9	891.2	2222.9	3320.4	3554.4	3271.9	2549.9	1858.5	1258.5	751.0
77.5°	329.9	330.6	445.1	1350.0	2650.2	3035.7	2719.8	1597.2	1295.6	667.0	316.9
80°	85.6	88.2	163.3	537.5	1595.6	2003.6	1658.7	702.2	598.7	162.7	60.5
82.5°	30.3	32.2	75.2	168.9	588.6	918.8	738.6	224.5	156.2	46.5	16.3
85°	8.8	10.4	40.3	51.7	121.7	259.6	179.3	43.6	38.4	24.1	4.2
87.5°	0.0	1.3	8.1	7.2	7.2	4.9	9.1	4.9	6.2	2.9	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939051

CATALOG NUMBER: GALN-SB1C-722-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	574.9	572.7	567.8	562.6	557.7	553.1	551.8	546.9	544.7	545.0	544.7
5°	577.9	573.6	564.2	552.8	541.1	527.8	516.7	501.1	487.7	486.1	485.1
7.5°	585.7	578.8	563.5	541.4	512.1	475.4	441.2	407.4	388.2	377.8	377.1
10°	597.7	588.6	565.2	522.9	460.7	395.0	343.3	300.6	278.8	268.8	266.8
12.5°	612.0	601.9	567.8	491.3	394.4	308.1	252.2	226.1	221.6	220.9	220.6
15°	632.2	621.1	570.7	448.7	322.4	234.6	208.9	209.2	212.8	214.7	214.4
17.5°	654.6	643.6	566.5	396.6	251.5	200.4	199.8	202.7	207.9	209.9	209.5
20°	677.4	667.0	551.5	335.5	203.4	191.0	193.6	196.8	202.1	204.7	204.7
22.5°	700.9	691.7	527.8	270.4	183.5	184.2	187.4	190.7	196.5	199.5	199.5
25°	725.9	718.1	496.2	216.7	175.0	177.0	181.2	185.1	191.3	194.9	194.9
27.5°	751.3	745.4	460.4	180.9	167.2	169.5	174.4	179.6	185.8	190.0	190.3
30°	778.9	775.7	431.8	167.6	159.8	161.7	167.2	173.1	179.9	185.1	185.8
32.5°	807.2	806.6	417.8	177.3	152.9	154.2	159.1	165.0	173.4	179.9	180.6
35°	835.2	836.5	409.6	205.0	150.6	147.1	150.3	155.5	165.6	173.7	175.0
37.5°	871.0	874.3	409.3	234.9	156.2	139.9	142.2	145.8	154.6	164.0	165.6
40°	924.4	941.6	430.1	260.6	165.9	133.4	134.1	134.7	139.3	147.1	149.7
42.5°	995.3	1045.7	505.3	278.2	169.8	127.5	125.3	121.7	121.0	125.3	127.5
45°	1083.5	1171.7	637.4	288.0	165.9	121.0	114.9	105.4	101.8	104.8	104.8
47.5°	1187.3	1309.6	793.9	290.2	159.4	112.9	101.8	89.5	86.5	87.5	87.2
50°	1288.5	1413.1	931.5	271.4	148.7	102.5	87.5	77.1	75.2	75.5	75.5
52.5°	1377.9	1448.6	970.6	226.8	134.4	89.8	75.2	68.0	66.7	66.7	66.4
55°	1437.2	1410.2	865.5	173.4	116.5	76.8	64.4	60.8	60.2	59.9	59.2
57.5°	1449.5	1285.2	653.7	125.3	91.1	64.7	57.3	55.3	54.0	52.7	52.1
60°	1405.3	1077.0	416.2	87.5	68.3	55.3	50.8	49.5	46.9	44.3	43.3
62.5°	1309.6	813.4	230.4	60.8	55.0	47.2	44.9	43.3	38.4	34.2	32.9
65°	1181.1	540.8	101.8	47.5	44.9	39.7	38.4	36.1	30.3	25.4	24.4
67.5°	1051.9	311.4	45.9	38.1	36.1	32.5	31.6	29.9	25.7	21.1	20.5
70°	904.5	157.8	31.6	30.3	28.0	24.7	25.7	25.4	21.1	17.2	16.6
72.5°	673.5	78.4	23.8	22.8	20.2	17.6	21.1	20.8	16.6	13.0	12.4
75°	381.3	38.7	17.2	15.9	12.0	13.0	16.9	15.9	11.4	8.5	7.8
77.5°	151.3	19.8	11.4	9.8	7.2	8.8	12.4	10.7	5.9	3.6	3.3
80°	34.8	9.8	5.9	4.2	3.3	5.2	6.5	3.9	1.6	0.3	0.0
82.5°	9.8	4.2	2.0	1.6	1.6	2.0	1.6	0.7	0.0	0.0	0.0
85°	3.3	2.0	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	1.3	0.7	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	0.0

(END OF REPORT)