

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: P200629

Luminaire Tested: **GWC-AF-01-LED-E1-SL4-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SL4-8030-800
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3982 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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: 25 FT

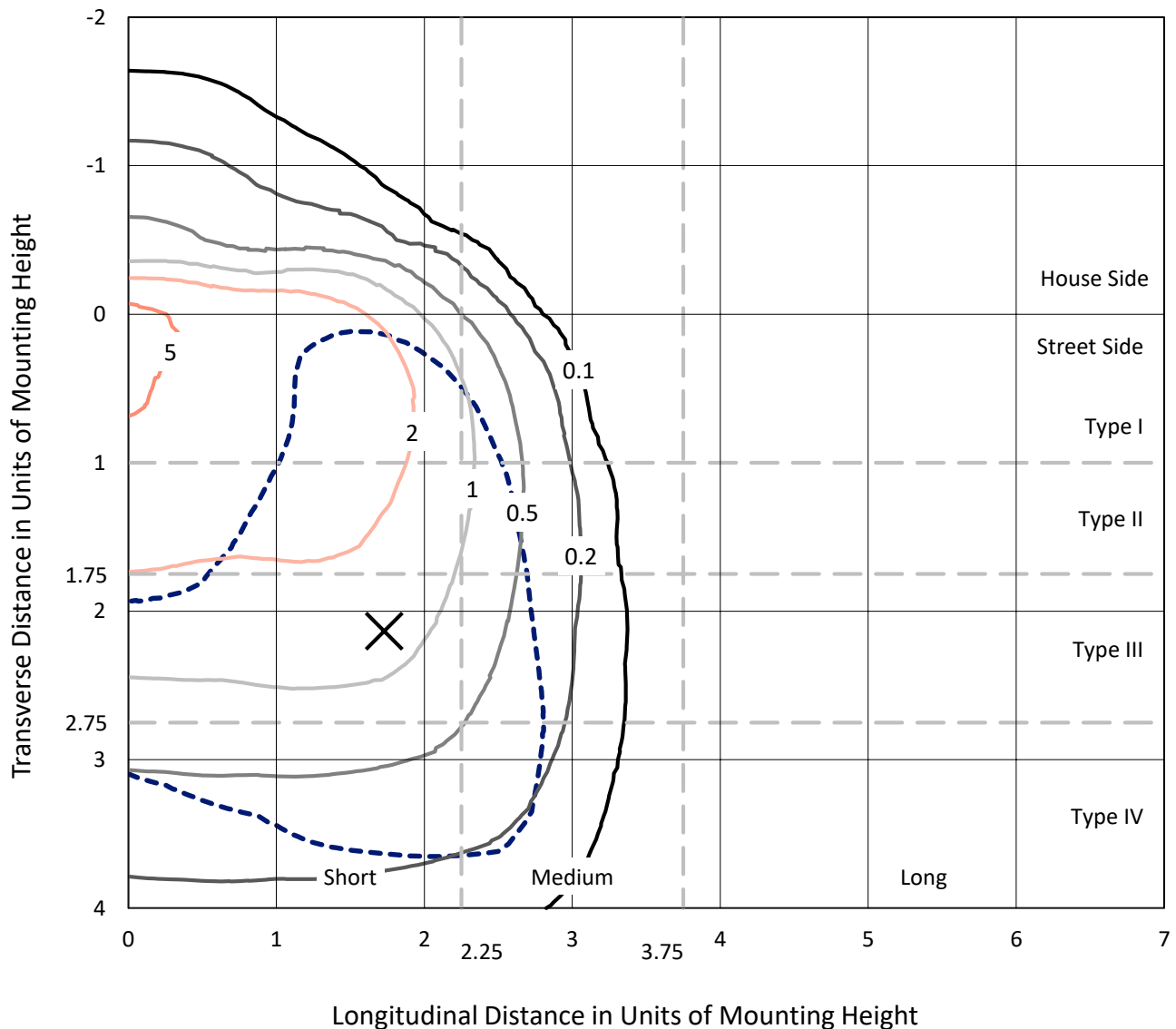


REPORT NUMBER: P200629

CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

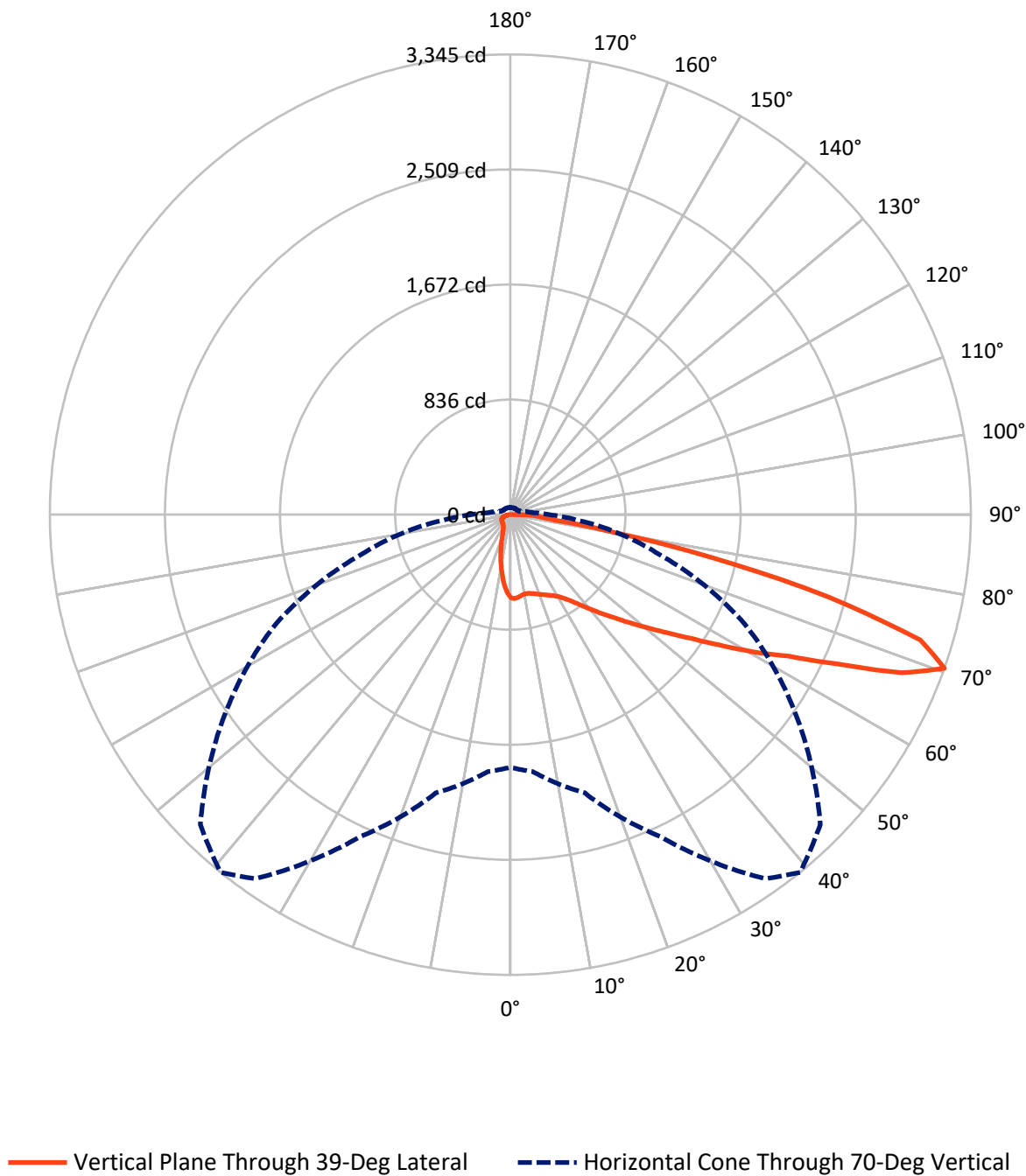


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200629

CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

Luminous Intensity Polar Plot



REPORT NUMBER: P200629

CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.9	0.0	452.9
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	3529.1	0.0	3529.1
	% Fixture	88.6	0.0	88.6
Total	Lumens	3982.0	0.0	3982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.3
10°-20°	129.7	3.3
20°-30°	201.9	5.1
30°-40°	314.5	7.9
40°-50°	528.1	13.3
50°-60°	838.9	21.1
60°-70°	1119.0	28.1
70°-80°	675.7	17.0
80°-90°	122.3	3.1
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°	3982.0	100.0
0°-180°	3982.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200629

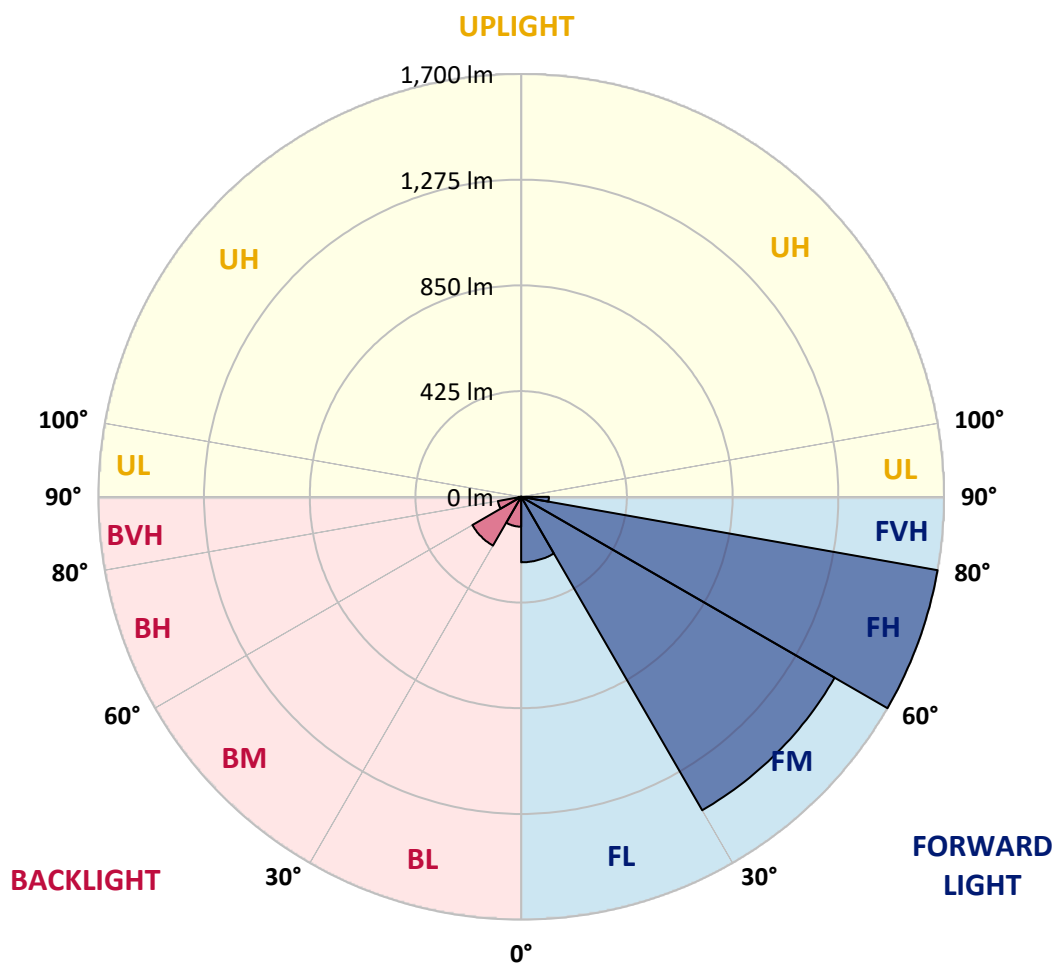
CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.3	6.6			
FM	(30°-60°)	1454.9	36.5			
FH	(60°-80°)	1699.6	42.7			G1/1800
FVH	(80°-90°)	111.3	2.8			G2/225
BL	(0°-30°)	120.1	3.0	B1/500		
BM	(30°-60°)	226.6	5.7	B1/1000		
BH	(60°-80°)	95.1	2.4	B0/110		G0/110
BVH	(80°-90°)	11.0	0.3			G1/100
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: P200629

CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	616.3	616.1	614.4	613.2	612.2	611.8	612.6	609.6	607.0	603.7	600.3
5°	611.6	611.4	608.8	606.4	603.9	603.1	602.9	597.4	594.2	589.3	582.9
7.5°	606.6	605.5	602.1	598.1	593.8	591.8	589.8	582.7	579.0	574.2	566.7
10°	601.3	600.1	596.8	592.8	588.7	585.7	582.3	575.4	571.5	567.9	559.2
12.5°	595.8	594.8	594.0	592.2	589.3	586.7	584.1	578.2	574.2	569.9	559.8
15°	595.0	594.6	596.4	597.6	596.0	594.4	591.6	586.5	582.3	578.0	564.8
17.5°	601.5	601.3	605.9	609.2	608.4	605.5	601.7	596.0	592.6	588.9	572.5
20°	615.7	616.7	622.3	626.6	622.5	618.5	612.2	604.3	602.5	600.9	580.4
22.5°	642.4	643.4	647.4	649.1	638.5	632.7	624.0	613.8	612.6	613.8	590.0
25°	684.1	683.1	682.5	676.4	657.2	648.1	636.9	626.4	627.0	632.5	603.3
27.5°	739.4	733.9	725.4	707.2	676.6	666.5	652.9	643.2	647.0	657.6	623.4
30°	796.7	790.6	770.9	741.2	702.1	691.0	675.8	664.9	675.0	691.6	650.1
32.5°	849.7	848.9	820.1	781.9	737.3	727.6	712.4	700.1	716.5	741.8	690.2
35°	907.6	909.4	875.0	829.1	784.9	774.8	763.9	754.5	776.4	811.2	748.3
37.5°	969.6	973.2	932.5	880.7	839.2	834.9	828.4	824.4	858.2	906.4	829.5
40°	1052.4	1048.7	992.2	939.0	905.8	905.6	903.6	908.4	964.7	1030.7	933.7
42.5°	1141.0	1130.3	1055.6	1001.5	978.9	985.8	989.8	1009.6	1092.8	1181.7	1060.9
45°	1236.6	1212.5	1121.4	1067.7	1060.1	1074.6	1088.4	1131.5	1243.7	1353.6	1200.2
47.5°	1312.9	1289.6	1189.4	1137.2	1154.0	1176.1	1202.6	1270.8	1412.5	1531.2	1337.6
50°	1373.0	1357.9	1258.1	1218.2	1257.4	1291.5	1334.8	1428.5	1588.3	1704.1	1465.0
52.5°	1431.4	1420.0	1327.3	1301.2	1378.9	1425.9	1484.8	1597.8	1768.4	1874.1	1572.1
55°	1484.0	1475.9	1401.8	1404.6	1521.9	1583.0	1657.1	1790.5	1964.8	2025.8	1662.8
57.5°	1543.3	1533.0	1486.8	1534.4	1705.5	1784.8	1881.2	2007.1	2149.1	2160.6	1731.8
60°	1603.0	1594.1	1581.2	1684.2	1938.7	2022.1	2113.4	2217.1	2335.9	2265.3	1727.7
62.5°	1654.9	1655.9	1678.8	1841.5	2167.1	2263.6	2375.0	2477.4	2505.0	2283.5	1600.0
65°	1742.7	1758.7	1826.9	2064.2	2488.6	2617.7	2754.4	2738.0	2551.7	2113.2	1326.1
67.5°	1847.2	1875.3	2013.6	2361.0	2894.9	3066.4	3119.2	2796.9	2364.5	1717.8	945.3
70°	1836.7	1875.3	2094.2	2582.3	3229.8	3344.8	3184.4	2531.3	1877.6	1122.2	502.1
72.5°	1631.0	1686.2	1930.0	2480.9	3124.3	3114.2	2764.5	1887.1	1115.5	450.7	196.2
75°	1243.1	1298.9	1508.7	1960.0	2469.3	2384.3	1961.6	1042.4	423.3	179.0	123.7
77.5°	715.1	758.4	920.4	1202.0	1566.6	1479.3	1091.8	463.6	206.1	124.7	96.6
80°	399.2	423.3	521.7	609.8	767.7	703.7	488.5	288.1	153.9	90.5	74.5
82.5°	315.6	337.1	421.9	384.7	350.7	323.5	280.6	256.5	122.9	57.1	44.5
85°	275.7	296.2	357.1	302.9	239.5	219.7	228.0	252.5	95.6	34.4	38.1
87.5°	255.5	282.8	318.3	233.4	186.5	165.2	210.4	276.8	30.8	21.5	15.4
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: P200629

CATALOG NUMBER: GWC-AF-01-LED-E1-SL4-8030-800

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	597.2	594.0	588.7	584.1	576.8	572.9	568.7	565.7	563.2	561.2	564.4
5°	578.8	572.7	561.6	549.7	535.5	524.4	515.0	506.3	500.3	496.2	499.1
7.5°	561.4	551.5	534.1	512.4	488.1	467.5	450.5	435.5	425.2	418.5	421.1
10°	551.5	539.1	512.2	478.2	442.4	410.2	383.4	360.4	344.4	335.3	336.7
12.5°	549.1	533.1	495.8	449.0	400.1	355.3	317.7	285.7	263.2	251.4	251.9
15°	550.9	530.4	480.4	421.1	359.2	302.7	255.7	216.8	190.7	177.4	177.1
17.5°	553.9	528.4	464.2	390.9	317.7	252.1	199.6	161.6	138.5	127.7	126.9
20°	557.2	525.2	446.0	358.3	274.5	205.1	156.3	126.5	112.0	106.1	105.7
22.5°	561.8	522.3	427.2	323.9	232.2	167.0	128.6	108.5	100.8	97.8	97.4
25°	569.3	520.9	407.1	288.1	194.2	139.7	112.0	99.6	95.2	93.1	92.9
27.5°	581.9	522.9	388.3	253.3	163.2	121.3	102.6	95.2	91.9	90.1	89.9
30°	598.1	529.2	368.5	220.3	139.1	108.7	97.0	92.1	89.5	87.7	87.7
32.5°	625.0	539.7	347.6	191.7	121.9	100.0	92.7	89.5	87.3	85.8	85.6
35°	664.7	559.6	328.2	168.0	109.5	93.7	89.1	86.7	85.0	84.2	84.2
37.5°	722.4	591.0	311.0	151.0	102.0	89.5	85.6	83.8	82.8	82.8	82.8
40°	799.9	634.3	297.0	139.7	97.8	86.4	83.0	81.6	81.0	81.2	81.2
42.5°	895.7	690.6	287.7	131.8	95.8	84.6	81.2	80.0	79.4	79.2	79.4
45°	1004.8	754.5	286.7	125.9	93.7	83.4	80.0	78.8	77.5	76.7	76.7
47.5°	1110.9	819.5	295.0	123.9	91.5	82.0	79.0	77.7	75.9	74.1	74.1
50°	1204.6	874.8	306.1	124.7	90.7	80.0	77.3	76.7	73.9	71.9	71.7
52.5°	1279.1	917.3	315.2	127.1	91.5	78.6	75.3	75.5	72.5	70.3	70.0
55°	1338.8	945.3	312.8	129.6	93.3	77.7	73.5	73.9	71.5	69.2	69.2
57.5°	1364.9	934.9	285.9	127.5	94.7	77.9	72.1	73.7	71.7	69.6	69.6
60°	1308.9	843.2	235.5	118.6	92.9	77.3	71.5	74.5	74.3	72.3	72.1
62.5°	1139.2	679.0	182.6	105.5	86.7	74.3	69.8	74.3	76.5	75.9	75.7
65°	878.0	483.7	139.5	91.3	78.1	69.2	65.6	69.6	72.7	73.5	73.3
67.5°	569.9	296.4	107.5	77.9	68.6	63.4	60.1	62.0	62.6	62.6	62.2
70°	280.2	159.5	85.6	65.6	58.9	57.1	55.3	54.3	53.2	52.4	52.4
72.5°	138.3	104.3	70.5	55.5	50.8	50.0	49.6	48.4	47.6	46.6	46.2
75°	102.2	84.8	59.9	46.8	43.7	42.9	43.7	42.7	42.5	41.7	41.3
77.5°	84.0	72.3	51.6	40.1	37.5	36.0	37.3	37.5	37.7	36.4	36.0
80°	68.2	61.1	43.1	33.2	30.8	29.8	30.6	32.2	32.6	30.8	30.0
82.5°	49.2	50.0	34.8	25.9	23.9	23.1	24.7	26.7	27.1	24.5	23.9
85°	41.3	41.7	26.7	18.4	16.4	15.2	17.8	19.8	21.3	18.6	18.0
87.5°	17.2	24.5	15.4	10.3	9.1	7.9	9.5	10.5	12.8	11.7	11.5
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)