

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: P200621

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-SL4-8030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3402 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

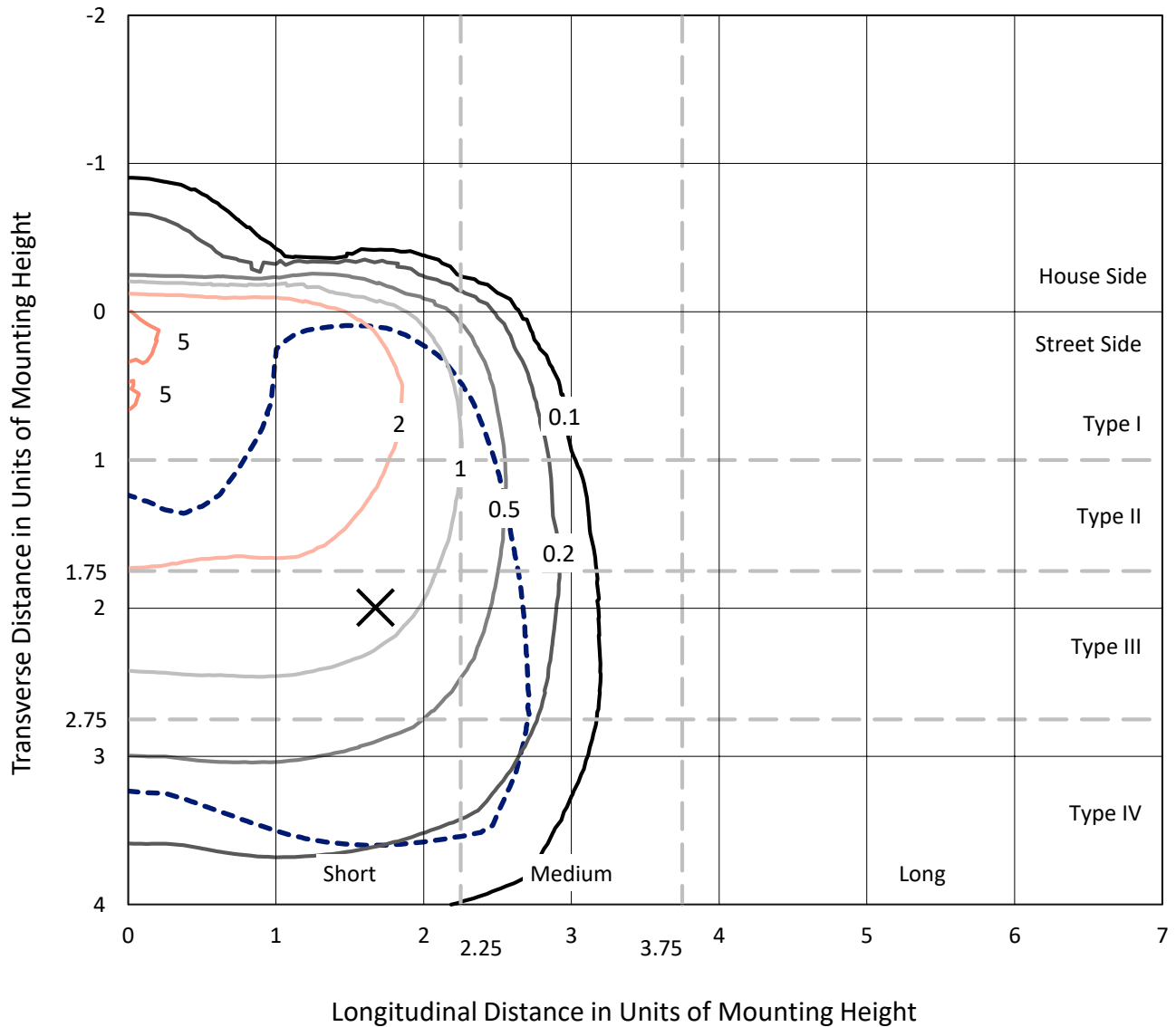
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200621
 CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-8030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

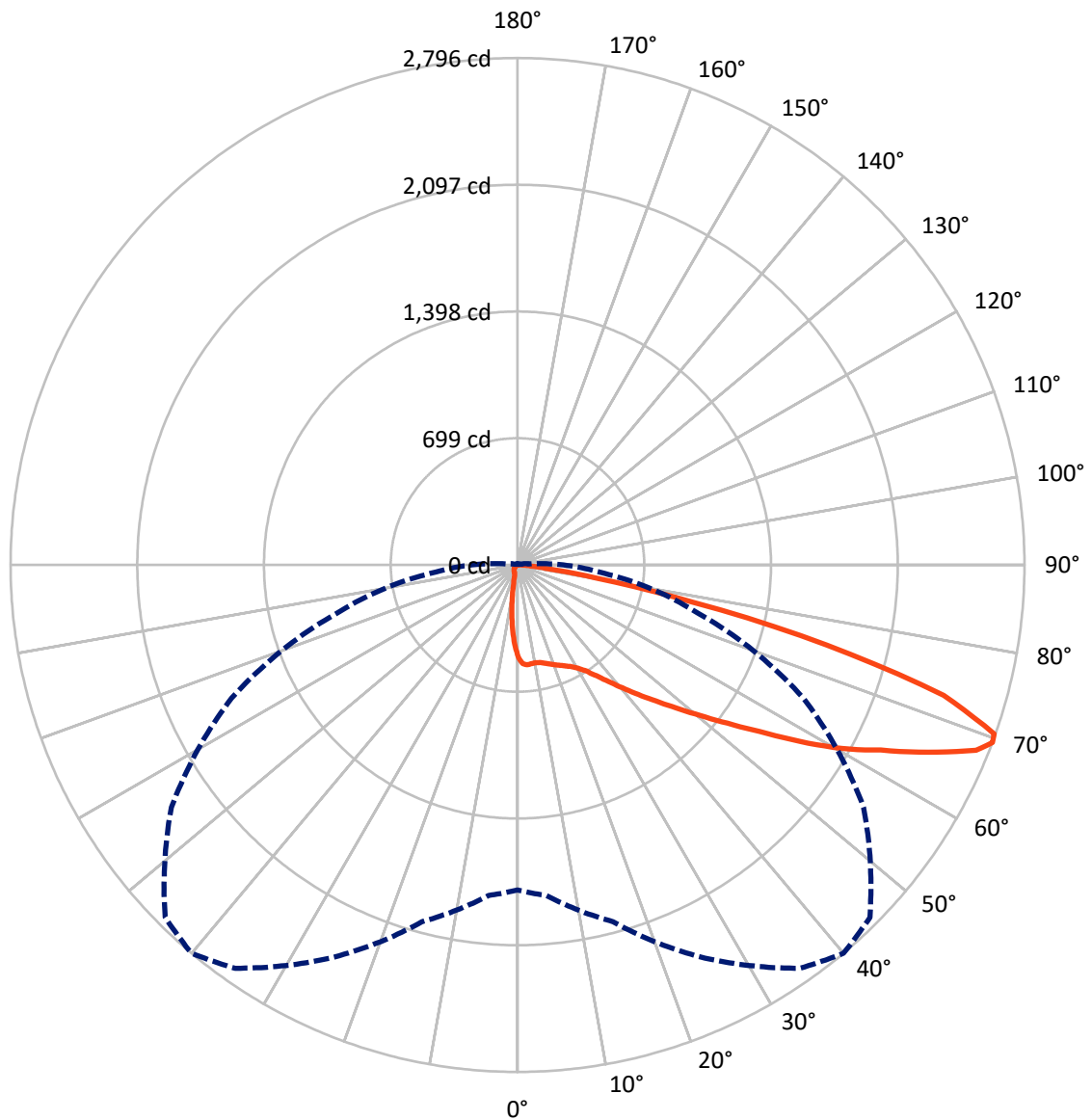


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200621

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-8030-800-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P200621

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-8030-800-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	199.0	0.0	199.0
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3203.0	0.0	3203.0
	% Fixture	94.1	0.0	94.1
Total	Lumens	3402.0	0.0	3402.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.2
10°-20°	101.3	3.0
20°-30°	170.7	5.0
30°-40°	279.4	8.2
40°-50°	483.8	14.2
50°-60°	762.1	22.4
60°-70°	995.3	29.3
70°-80°	512.6	15.1
80°-90°	55.4	1.6
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°	3402.0	100.0
0°-180°	3402.0	100.0



REPORT NUMBER: P200621

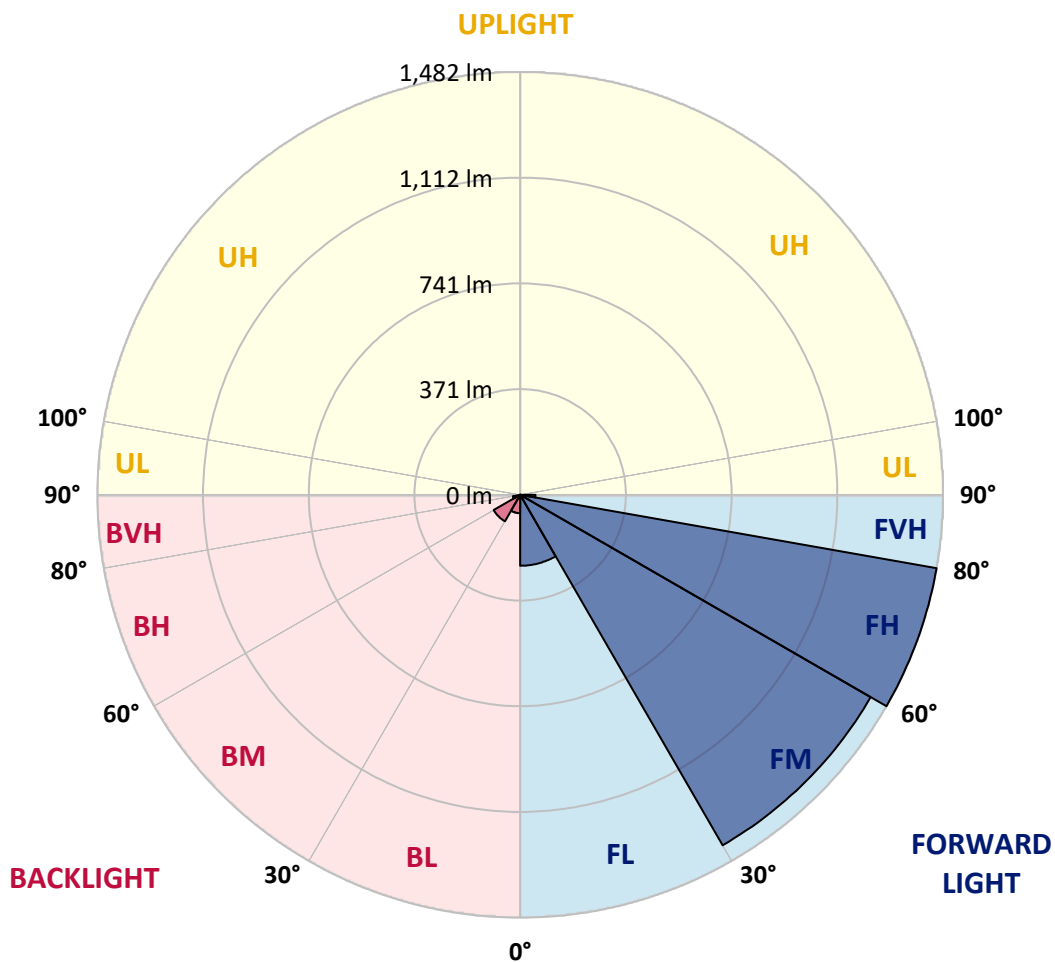
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.8	7.3			
FM	(30°-60°)	1418.4	41.7			
FH	(60°-80°)	1482.1	43.6			G1/1800
FVH	(80°-90°)	53.7	1.6			G1/100
BL	(0°-30°)	64.5	1.9	B0/110		
BM	(30°-60°)	107.0	3.1	B0/220		
BH	(60°-80°)	25.9	0.8	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





REPORT NUMBER: P200621

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-8030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3
2.5°	558.1	555.1	553.2	550.8	547.8	545.1	544.1	536.6	529.5	519.8	508.7
5°	568.4	567.4	564.2	560.9	557.3	553.2	551.0	542.1	532.0	517.8	498.4
7.5°	569.4	568.2	564.2	559.7	554.6	549.8	545.9	537.0	527.7	513.3	489.6
10°	567.8	566.4	563.4	558.5	552.2	547.6	543.7	535.2	527.3	514.4	488.0
12.5°	566.0	564.6	563.2	560.7	555.3	552.0	548.8	540.7	533.6	522.7	493.9
15°	567.8	567.0	568.6	567.6	564.6	561.7	558.5	551.2	544.7	535.6	504.6
17.5°	575.5	575.5	580.6	581.2	578.3	574.3	569.6	562.3	556.9	549.2	517.4
20°	593.5	592.9	599.4	600.6	593.7	587.5	580.6	571.7	567.4	562.5	529.9
22.5°	624.5	621.7	625.5	624.3	610.7	601.0	592.5	581.6	579.4	577.1	543.9
25°	664.8	663.2	665.8	653.9	630.0	616.8	606.7	594.3	594.3	596.6	559.7
27.5°	723.3	717.3	708.3	687.3	651.4	634.6	623.7	610.5	614.0	622.3	580.6
30°	783.3	776.6	756.1	723.7	677.6	659.9	647.2	633.4	641.5	656.7	608.5
32.5°	842.4	834.9	806.0	765.0	715.0	697.4	685.1	669.9	683.4	709.0	649.4
35°	899.7	893.0	859.6	811.4	764.8	750.3	738.9	725.8	743.2	778.8	707.1
37.5°	964.1	956.8	916.1	863.9	825.4	814.9	806.6	793.4	823.8	876.0	787.5
40°	1043.3	1030.9	976.1	924.0	895.5	890.4	884.7	882.9	930.1	1002.4	894.6
42.5°	1134.0	1113.8	1038.8	987.4	972.4	976.1	974.6	982.7	1063.1	1159.5	1025.1
45°	1224.7	1198.6	1108.7	1055.0	1057.1	1069.8	1077.7	1110.1	1229.8	1339.7	1165.4
47.5°	1301.7	1276.0	1175.7	1128.1	1152.4	1177.5	1199.0	1260.4	1401.1	1517.1	1274.5
50°	1367.5	1343.2	1246.8	1208.5	1263.2	1303.7	1338.5	1429.5	1585.4	1652.2	1351.1
52.5°	1421.4	1405.2	1320.5	1300.7	1389.8	1449.1	1500.1	1609.1	1748.6	1762.0	1410.6
55°	1473.8	1462.3	1399.7	1410.2	1538.4	1619.2	1683.8	1799.6	1889.1	1853.5	1467.7
57.5°	1534.1	1523.6	1490.0	1549.1	1733.8	1835.5	1905.9	1968.5	2012.9	1947.0	1521.6
60°	1595.7	1589.6	1590.4	1703.4	1958.2	2055.8	2094.7	2110.9	2134.4	2035.1	1524.6
62.5°	1654.4	1666.0	1705.3	1875.2	2173.0	2248.0	2267.6	2283.6	2256.1	2049.1	1408.6
65°	1753.9	1772.7	1866.4	2105.0	2409.4	2489.5	2509.8	2454.9	2275.3	1868.5	1145.7
67.5°	1802.5	1836.9	2004.1	2319.2	2638.6	2727.7	2720.2	2466.1	2041.8	1424.8	735.3
69°	1792.3	1829.0	2035.9	2384.8	2714.7	2795.5	2747.9	2329.8	1739.5	1032.1	451.4
70°	1752.2	1789.3	2019.5	2382.4	2724.4	2788.4	2696.5	2161.5	1470.8	754.7	282.3
72.5°	1463.3	1495.3	1792.9	2153.4	2509.8	2457.7	2255.9	1497.5	716.6	205.5	63.6
75°	900.7	918.5	1286.5	1622.2	1895.6	1762.0	1503.0	745.0	213.6	58.1	35.2
77.5°	475.9	484.0	704.3	956.2	1201.6	994.3	770.3	290.6	98.4	36.5	25.5
80°	281.3	287.3	379.3	437.2	520.0	434.4	308.0	178.4	70.5	22.9	22.7
82.5°	161.0	164.8	275.0	243.0	204.9	175.0	153.3	169.1	42.3	15.4	23.5
85°	59.1	59.9	154.7	184.9	121.9	72.5	76.1	140.1	11.3	9.7	18.4
87.5°	27.5	26.9	79.6	113.2	71.3	46.0	59.3	30.8	4.5	6.3	5.1
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: P200621

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-8030-800-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3
2.5°	502.2	494.7	481.1	467.2	453.0	442.1	431.3	422.8	420.0	414.7	415.1
5°	486.8	473.0	444.7	415.9	386.0	361.3	338.0	319.1	310.0	300.7	300.7
7.5°	473.4	453.4	409.1	362.3	313.9	273.2	236.5	209.0	193.8	181.6	181.4
10°	468.4	441.2	379.3	312.3	244.8	189.3	145.8	117.9	103.5	94.2	93.8
12.5°	470.6	437.0	356.4	266.1	181.4	121.7	84.4	66.4	60.3	57.5	57.5
15°	477.1	435.8	333.5	220.9	128.2	76.1	56.1	51.2	50.8	50.8	50.8
17.5°	485.0	436.2	310.0	177.0	87.3	54.5	48.4	47.8	48.2	48.2	48.2
20°	493.1	436.4	284.7	136.3	61.6	47.4	45.6	45.4	45.8	45.8	46.0
22.5°	503.0	437.4	259.4	101.9	50.8	44.8	43.3	43.3	43.5	43.5	43.3
25°	514.4	439.4	233.1	75.5	46.4	42.9	41.7	41.5	41.7	41.5	41.3
27.5°	528.5	442.3	203.7	59.1	44.3	41.1	40.1	40.1	39.9	39.7	39.5
30°	546.3	445.5	170.7	50.2	42.3	39.5	38.5	38.3	38.1	37.7	37.7
32.5°	573.5	452.6	138.1	45.6	40.1	37.3	36.5	36.5	36.0	35.6	35.4
35°	615.2	466.6	108.9	42.7	37.7	34.8	33.8	33.8	33.4	33.2	33.0
37.5°	672.9	487.8	84.6	40.1	35.2	32.2	31.2	31.0	30.6	30.2	30.0
40°	749.7	514.1	66.6	37.7	32.8	29.6	28.8	28.4	27.5	26.9	26.9
42.5°	846.0	544.1	54.1	35.0	30.0	27.1	26.5	25.9	24.5	23.9	23.7
45°	946.9	571.1	45.8	32.0	27.1	24.7	24.3	23.3	21.5	20.9	20.9
47.5°	1019.6	577.3	40.3	29.2	24.5	22.1	21.9	20.0	18.4	18.0	17.8
50°	1065.0	565.0	35.8	26.3	22.1	19.6	19.0	16.8	15.8	15.4	15.2
52.5°	1095.5	542.9	32.2	23.9	19.8	17.4	16.0	14.4	13.6	13.2	13.2
55°	1120.0	511.7	28.6	21.7	18.0	15.6	13.6	12.4	11.5	11.1	11.1
57.5°	1126.9	469.4	24.9	19.8	16.2	13.8	11.5	10.7	9.7	9.5	9.5
60°	1076.9	393.1	22.1	17.6	14.6	11.9	10.1	9.1	8.1	7.9	7.7
62.5°	945.1	304.2	19.4	15.6	12.8	10.3	8.7	7.5	6.7	6.7	6.7
65°	720.9	203.9	17.0	13.6	11.1	8.7	7.5	6.1	5.7	5.7	5.9
67.5°	431.5	111.0	14.6	11.5	9.5	7.3	6.3	5.3	5.1	5.3	5.3
69°	252.9	65.2	13.2	10.3	8.3	6.5	5.5	4.7	5.1	5.3	5.3
70°	156.1	43.9	12.2	9.3	7.5	5.9	5.1	4.5	4.9	5.1	5.1
72.5°	43.5	22.7	9.7	7.3	6.1	4.9	4.1	4.1	4.7	4.9	4.9
75°	28.4	16.8	7.5	5.5	4.7	3.8	3.4	3.8	4.5	4.7	4.7
77.5°	23.5	13.8	6.1	4.5	3.8	3.6	3.2	3.4	4.1	4.3	4.3
80°	21.5	9.7	4.9	4.1	3.4	3.2	3.0	2.8	3.6	3.8	3.8
82.5°	20.5	7.7	4.3	3.6	3.2	2.8	2.6	2.8	3.2	3.4	3.6
85°	12.8	5.1	3.8	3.4	2.8	2.6	2.6	2.6	3.0	3.2	3.2
87.5°	4.7	4.1	3.4	2.8	2.4	2.4	2.4	2.4	2.6	3.0	3.0
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)