

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: P200623

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200623
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-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 4211 lumens
Efficiency: N/A
Efficacy: 71.4 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 - G2

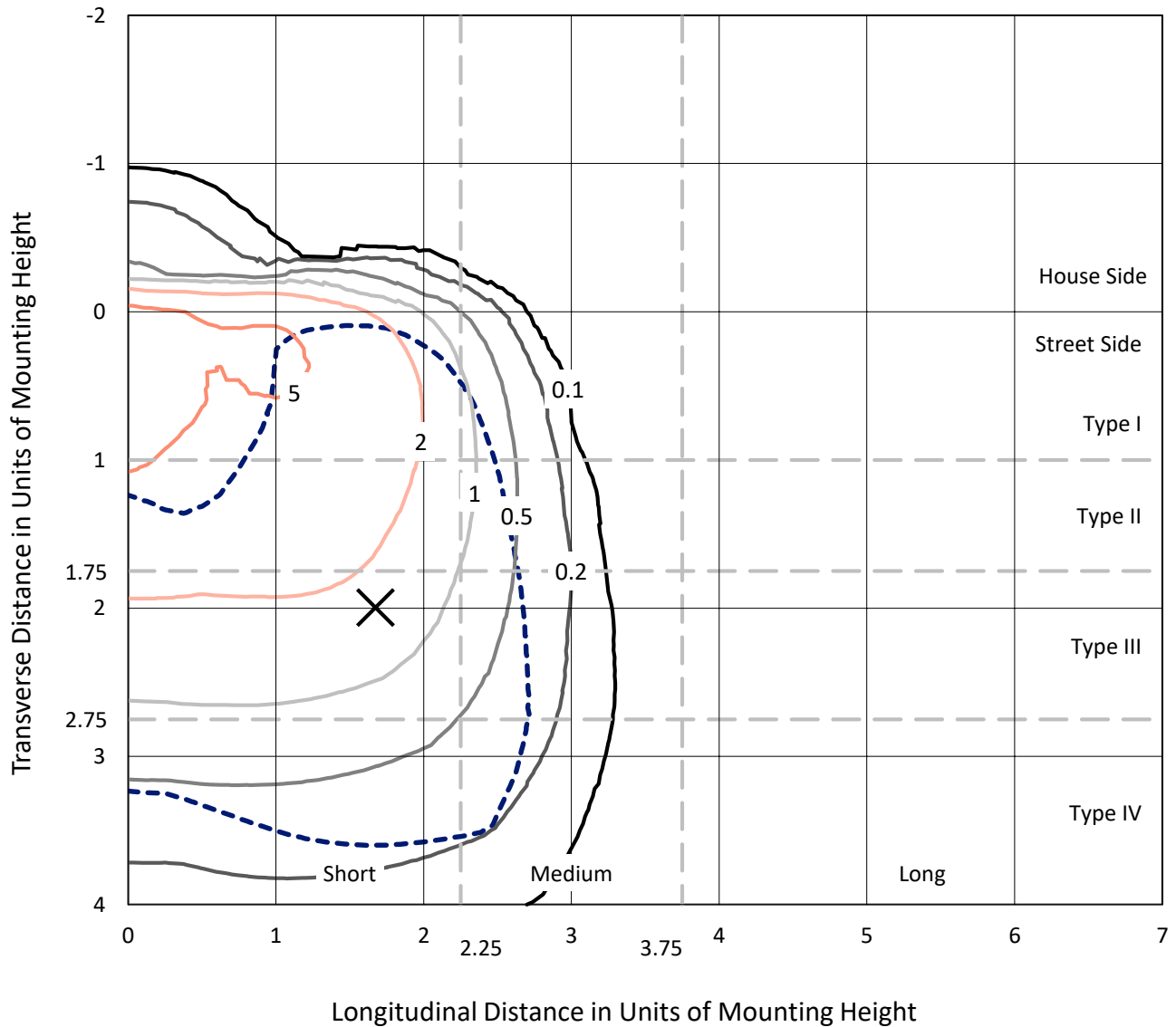
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

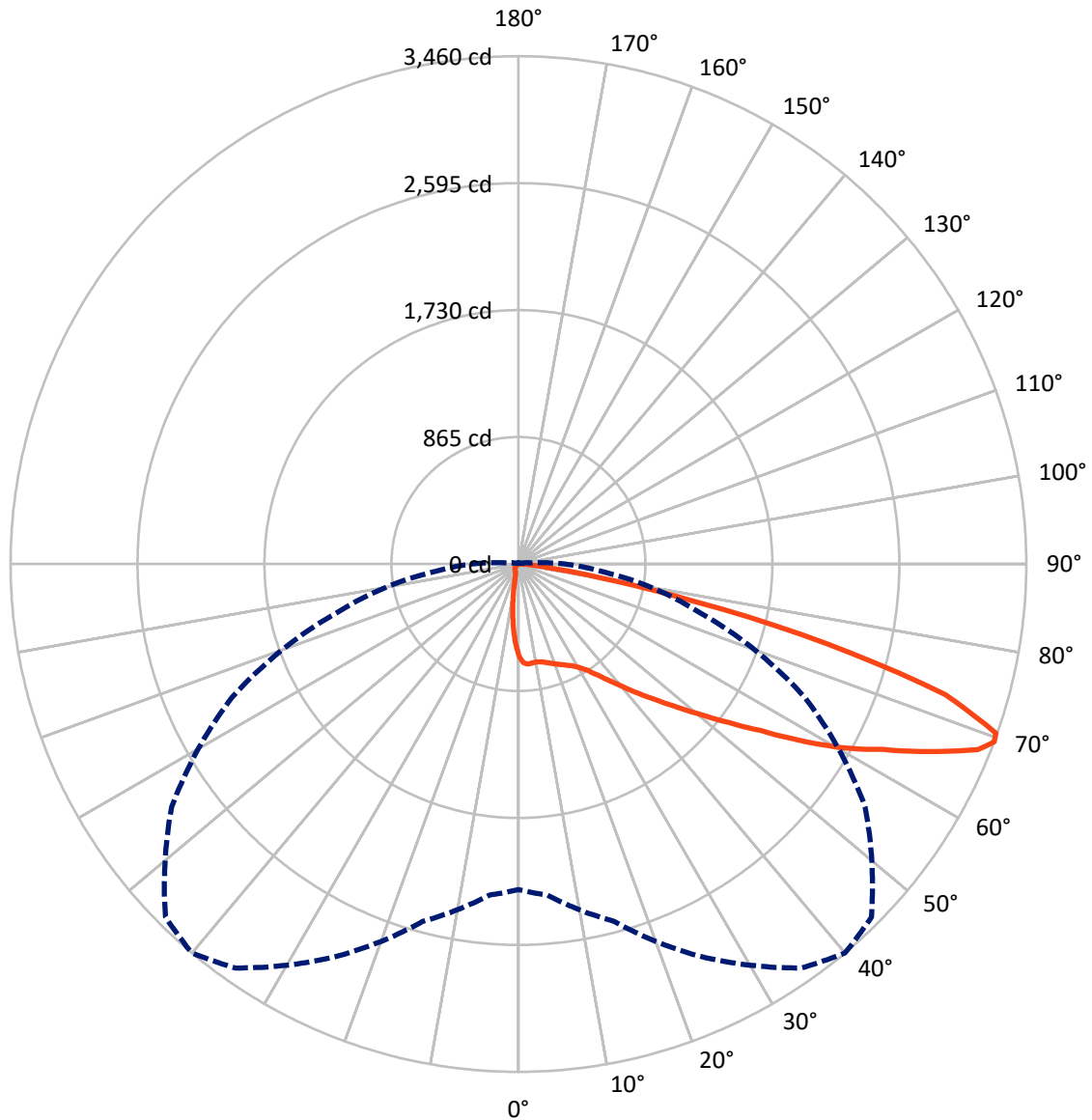


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.4	0.0	246.4
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3964.6	0.0	3964.6
	% Fixture	94.1	0.0	94.1
Total	Lumens	4211.0	0.0	4211.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.2
10°-20°	125.4	3.0
20°-30°	211.3	5.0
30°-40°	345.9	8.2
40°-50°	598.9	14.2
50°-60°	943.3	22.4
60°-70°	1232.0	29.3
70°-80°	634.5	15.1
80°-90°	68.6	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°	4211.0	100.0
0°-180°	4211.0	100.0



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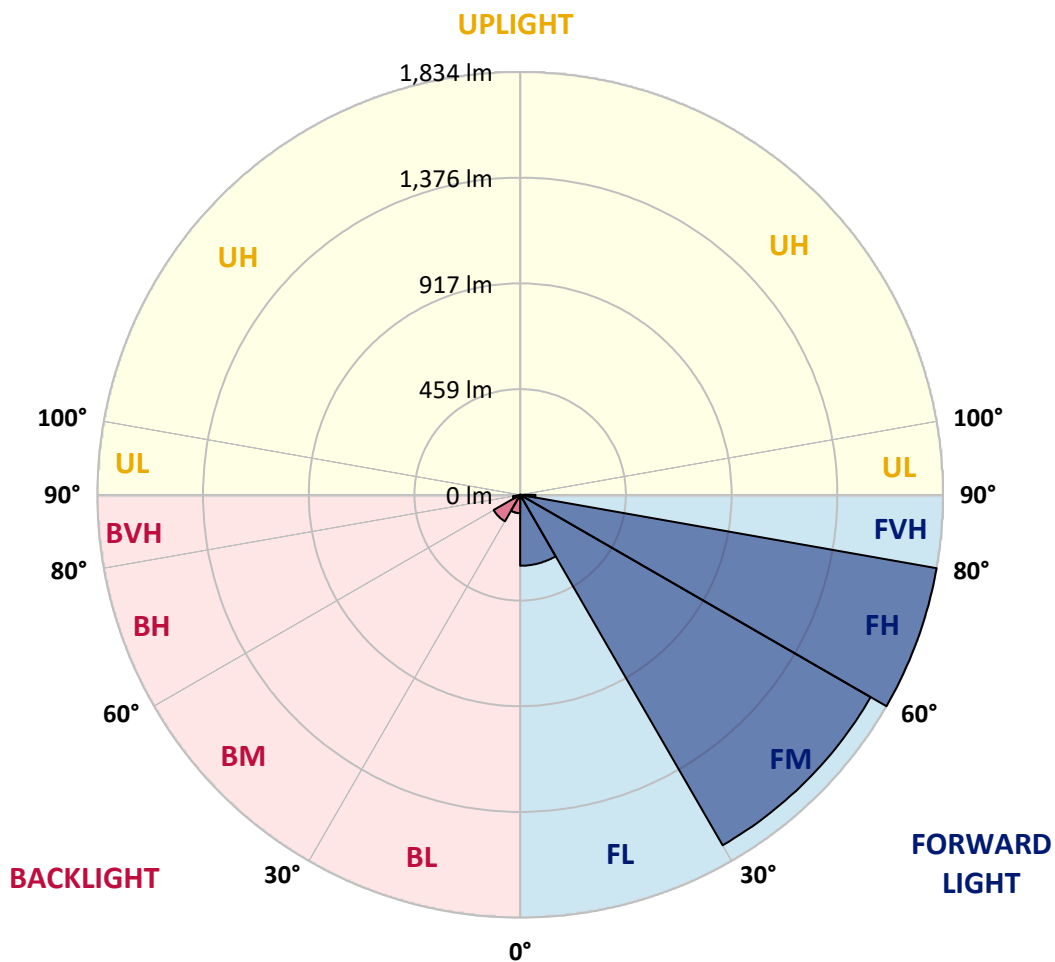
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.9	7.3			
FM	(30°-60°)	1755.7	41.7			
FH	(60°-80°)	1834.5	43.6			G2/5000
FVH	(80°-90°)	66.5	1.6			G1/100
BL	(0°-30°)	79.8	1.9	B0/110		
BM	(30°-60°)	132.4	3.1	B0/220		
BH	(60°-80°)	32.0	0.8	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1
2.5°	690.8	687.0	684.8	681.8	678.0	674.8	673.5	664.2	655.5	643.4	629.6
5°	703.6	702.3	698.3	694.3	689.8	684.8	682.0	671.0	658.5	640.9	616.9
7.5°	704.8	703.3	698.3	692.8	686.5	680.5	675.8	664.7	653.2	635.4	606.1
10°	702.8	701.1	697.3	691.3	683.5	677.8	673.0	662.5	652.7	636.7	604.1
12.5°	700.6	698.8	697.1	694.1	687.3	683.3	679.3	669.2	660.5	646.9	611.3
15°	702.8	701.8	703.8	702.6	698.8	695.3	691.3	682.3	674.3	663.0	624.6
17.5°	712.4	712.4	718.6	719.4	715.9	710.9	705.1	696.1	689.3	679.8	640.4
20°	734.7	733.9	741.9	743.4	734.9	727.2	718.6	707.6	702.3	696.3	656.0
22.5°	773.0	769.5	774.3	772.8	756.0	743.9	733.4	719.9	717.1	714.4	673.3
25°	822.9	820.9	824.2	809.4	779.8	763.5	751.0	735.7	735.7	738.4	692.8
27.5°	895.3	887.8	876.8	850.7	806.4	785.6	772.0	755.7	760.0	770.3	718.6
30°	969.5	961.3	935.9	895.8	838.7	816.9	801.1	784.1	794.1	812.9	753.2
32.5°	1042.7	1033.5	997.6	947.0	885.1	863.3	848.0	829.2	846.0	877.5	803.9
35°	1113.7	1105.4	1064.0	1004.4	946.7	928.7	914.6	898.3	919.9	964.0	875.3
37.5°	1193.4	1184.3	1134.0	1069.3	1021.7	1008.6	998.4	982.1	1019.7	1084.3	974.8
40°	1291.4	1276.1	1208.2	1143.7	1108.4	1102.1	1095.1	1092.9	1151.3	1240.7	1107.4
42.5°	1403.7	1378.6	1285.9	1222.2	1203.6	1208.2	1206.4	1216.4	1315.9	1435.3	1268.8
45°	1516.0	1483.6	1372.3	1305.9	1308.4	1324.2	1334.0	1374.1	1522.2	1658.3	1442.5
47.5°	1611.2	1579.4	1455.3	1396.4	1426.5	1457.6	1484.1	1560.1	1734.3	1877.9	1577.6
50°	1692.7	1662.6	1543.3	1495.9	1563.6	1613.7	1656.8	1769.4	1962.4	2045.1	1672.4
52.5°	1759.4	1739.3	1634.5	1610.0	1720.2	1793.7	1856.9	1991.7	2164.4	2181.0	1746.1
55°	1824.3	1810.0	1732.5	1745.6	1904.2	2004.2	2084.2	2227.6	2338.4	2294.2	1816.8
57.5°	1899.0	1885.9	1844.3	1917.5	2146.1	2271.9	2359.2	2436.6	2491.5	2410.1	1883.4
60°	1975.2	1967.6	1968.6	2108.5	2423.8	2544.7	2592.8	2612.8	2641.9	2519.1	1887.2
62.5°	2047.9	2062.1	2110.8	2321.1	2689.8	2782.5	2806.8	2826.6	2792.6	2536.4	1743.6
65°	2170.9	2194.2	2310.3	2605.6	2982.3	3081.6	3106.6	3038.7	2816.4	2312.8	1418.2
67.5°	2231.1	2273.7	2480.7	2870.8	3266.0	3376.3	3367.1	3052.5	2527.4	1763.6	910.1
69°	2218.6	2263.9	2520.1	2952.0	3360.3	3460.3	3401.4	2883.8	2153.1	1277.6	558.7
70°	2168.9	2214.8	2499.8	2949.0	3372.3	3451.5	3337.7	2675.5	1820.5	934.2	349.4
72.5°	1811.2	1850.8	2219.3	2665.5	3106.6	3042.2	2792.3	1853.6	887.1	254.4	78.7
75°	1114.9	1137.0	1592.4	2008.0	2346.4	2181.0	1860.4	922.2	264.4	71.9	43.6
77.5°	589.0	599.1	871.8	1183.6	1487.4	1230.7	953.5	359.7	121.8	45.1	31.6
80°	348.2	355.7	469.5	541.2	643.7	537.7	381.2	220.8	87.2	28.3	28.1
82.5°	199.3	204.0	340.4	300.8	253.7	216.6	189.7	209.3	52.4	19.0	29.1
85°	73.2	74.2	191.5	228.8	150.9	89.7	94.2	173.5	14.0	12.0	22.8
87.5°	34.1	33.3	98.5	140.1	88.2	56.9	73.4	38.1	5.5	7.8	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1
2.5°	621.6	612.4	595.6	578.3	560.7	547.2	533.9	523.4	519.9	513.3	513.8
5°	602.6	585.5	550.4	514.8	477.7	447.2	418.3	395.0	383.8	372.2	372.2
7.5°	586.0	561.2	506.3	448.4	388.5	338.1	292.8	258.7	239.9	224.8	224.6
10°	579.8	546.2	469.5	386.5	303.0	234.4	180.5	145.9	128.1	116.6	116.1
12.5°	582.5	540.9	441.2	329.4	224.6	150.6	104.5	82.2	74.7	71.2	71.2
15°	590.5	539.4	412.8	273.5	158.7	94.2	69.4	63.4	62.9	62.9	62.9
17.5°	600.3	539.9	383.8	219.1	108.0	67.4	59.9	59.2	59.7	59.7	59.7
20°	610.3	540.2	352.4	168.7	76.2	58.7	56.4	56.1	56.6	56.6	56.9
22.5°	622.6	541.4	321.1	126.1	62.9	55.4	53.6	53.6	53.9	53.9	53.6
25°	636.7	543.9	288.5	93.5	57.4	53.1	51.6	51.4	51.6	51.4	51.1
27.5°	654.2	547.4	252.2	73.2	54.9	50.9	49.6	49.6	49.4	49.1	48.9
30°	676.3	551.4	211.3	62.2	52.4	48.9	47.6	47.4	47.1	46.6	46.6
32.5°	709.9	560.2	170.9	56.4	49.6	46.1	45.1	45.1	44.6	44.1	43.9
35°	761.5	577.5	134.9	52.9	46.6	43.1	41.9	41.9	41.4	41.1	40.9
37.5°	832.9	603.8	104.8	49.6	43.6	39.9	38.6	38.4	37.8	37.3	37.1
40°	927.9	636.4	82.5	46.6	40.6	36.6	35.6	35.1	34.1	33.3	33.3
42.5°	1047.2	673.5	66.9	43.4	37.1	33.6	32.8	32.1	30.3	29.6	29.3
45°	1172.1	706.8	56.6	39.6	33.6	30.6	30.1	28.8	26.6	25.8	25.8
47.5°	1262.0	714.6	49.9	36.1	30.3	27.3	27.1	24.8	22.8	22.3	22.1
50°	1318.2	699.3	44.4	32.6	27.3	24.3	23.6	20.8	19.6	19.0	18.8
52.5°	1356.0	672.0	39.9	29.6	24.6	21.6	19.8	17.8	16.8	16.3	16.3
55°	1386.4	633.4	35.3	26.8	22.3	19.3	16.8	15.3	14.3	13.8	13.8
57.5°	1394.9	581.0	30.8	24.6	20.1	17.0	14.3	13.3	12.0	11.8	11.8
60°	1333.0	486.5	27.3	21.8	18.0	14.8	12.5	11.3	10.0	9.8	9.5
62.5°	1169.8	376.5	24.1	19.3	15.8	12.8	10.8	9.3	8.3	8.3	8.3
65°	892.3	252.4	21.1	16.8	13.8	10.8	9.3	7.5	7.0	7.0	7.3
67.5°	534.1	137.4	18.0	14.3	11.8	9.0	7.8	6.5	6.3	6.5	6.5
69°	313.1	80.7	16.3	12.8	10.3	8.0	6.8	5.8	6.3	6.5	6.5
70°	193.3	54.4	15.0	11.5	9.3	7.3	6.3	5.5	6.0	6.3	6.3
72.5°	53.9	28.1	12.0	9.0	7.5	6.0	5.0	5.0	5.8	6.0	6.0
75°	35.1	20.8	9.3	6.8	5.8	4.8	4.3	4.8	5.5	5.8	5.8
77.5°	29.1	17.0	7.5	5.5	4.8	4.5	4.0	4.3	5.0	5.3	5.3
80°	26.6	12.0	6.0	5.0	4.3	4.0	3.8	3.5	4.5	4.8	4.8
82.5°	25.3	9.5	5.3	4.5	4.0	3.5	3.3	3.5	4.0	4.3	4.5
85°	15.8	6.3	4.8	4.3	3.5	3.3	3.3	3.3	3.8	4.0	4.0
87.5°	5.8	5.0	4.3	3.5	3.0	3.0	3.0	3.0	3.3	3.8	3.8
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)