

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: P270093

Luminaire Tested: **GWC-AF-01-LED-E1-SL3-7027-600-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P270093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)  
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-SL3-7027-600-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3055.7 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 34  
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

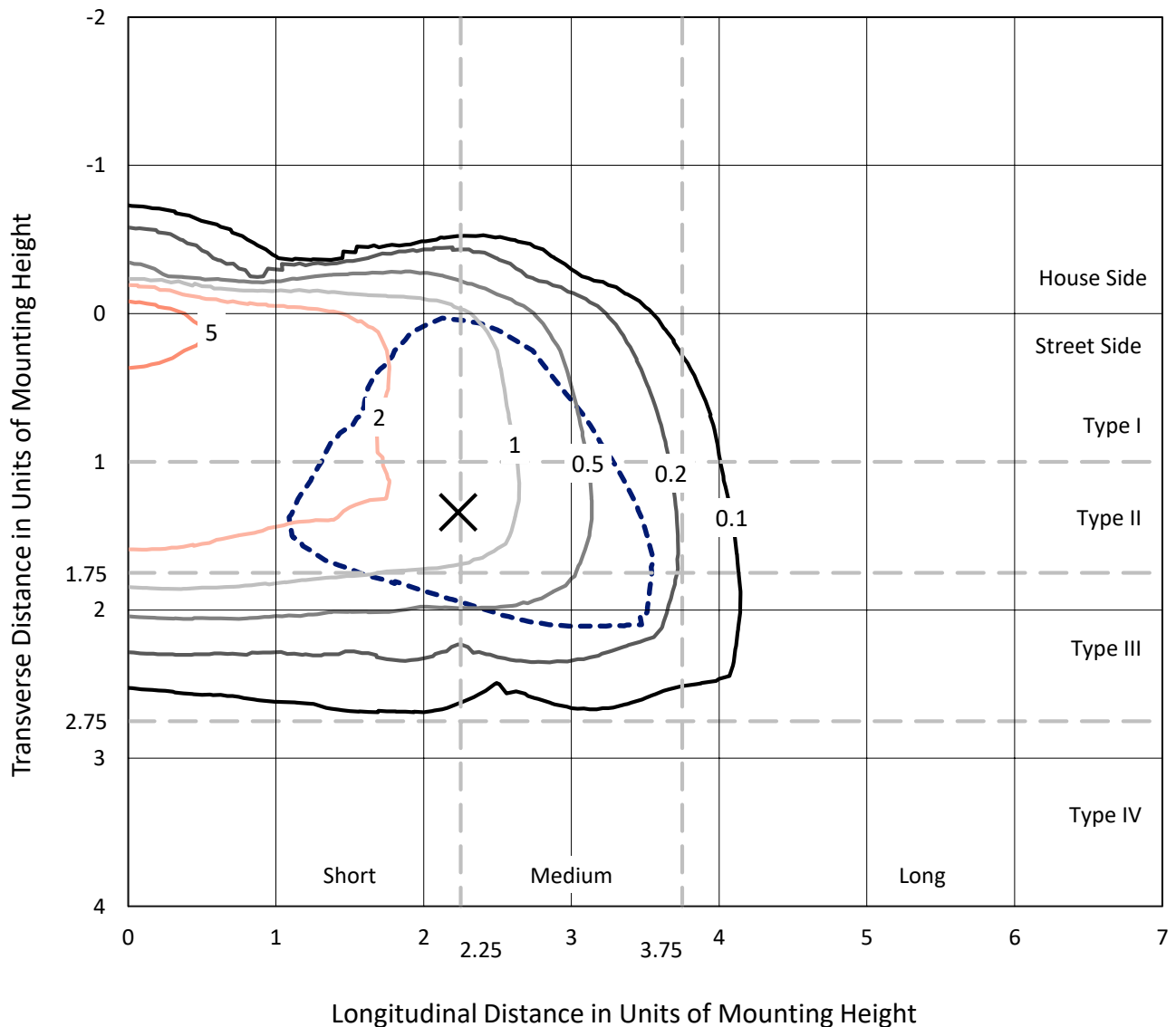


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

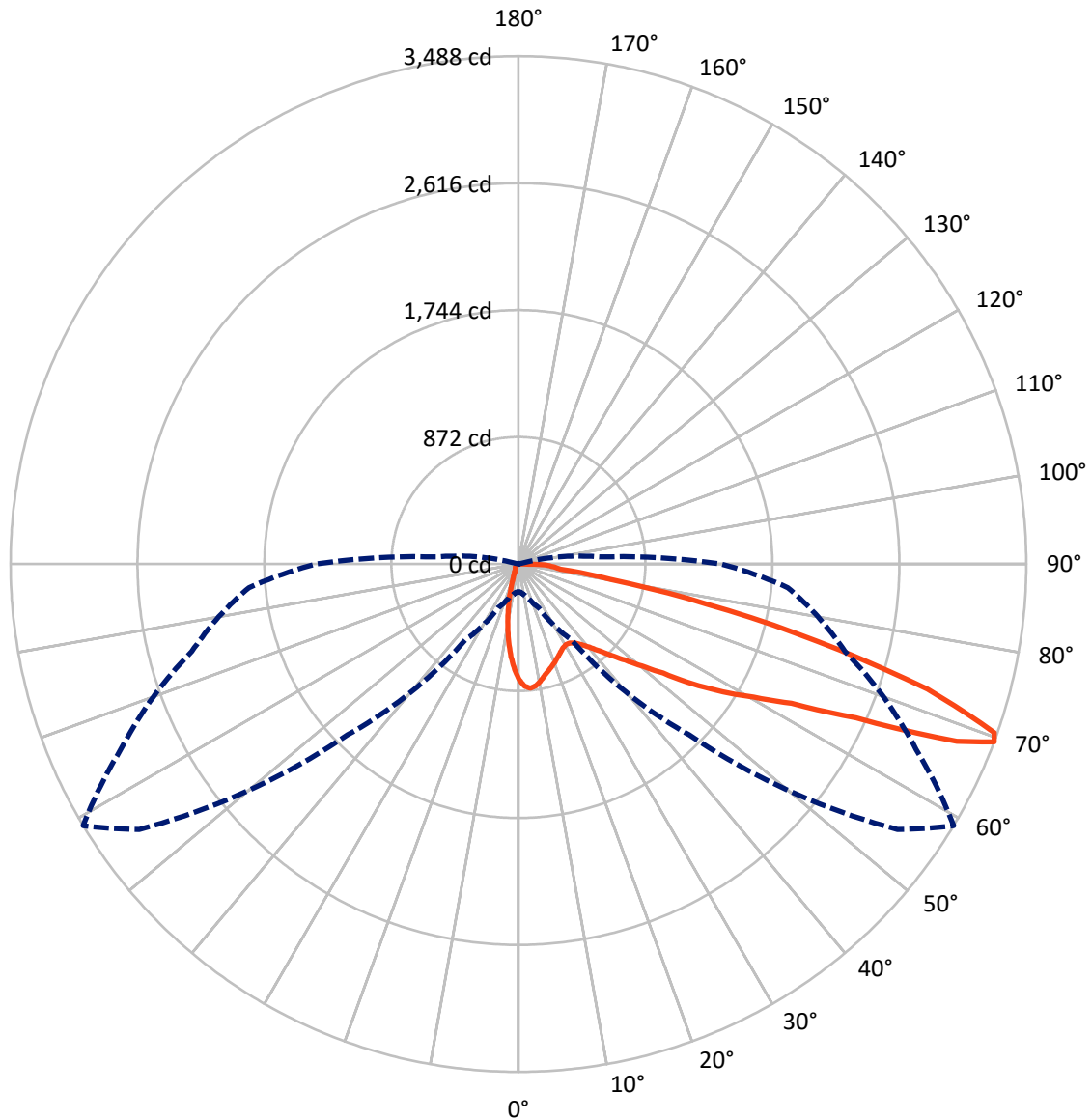


Based on 10 foot mounting height. Maximum calculated value = 8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	248.8	0.0	248.8
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	2806.8	0.0	2806.8
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	3055.7	0.0	3055.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	2.1
10°-20°	133.4	4.4
20°-30°	179.5	5.9
30°-40°	260.6	8.5
40°-50°	434.0	14.2
50°-60°	677.0	22.2
60°-70°	837.7	27.4
70°-80°	424.5	13.9
80°-90°	44.4	1.5
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°	3055.7	100.0
0°-180°	3055.7	100.0



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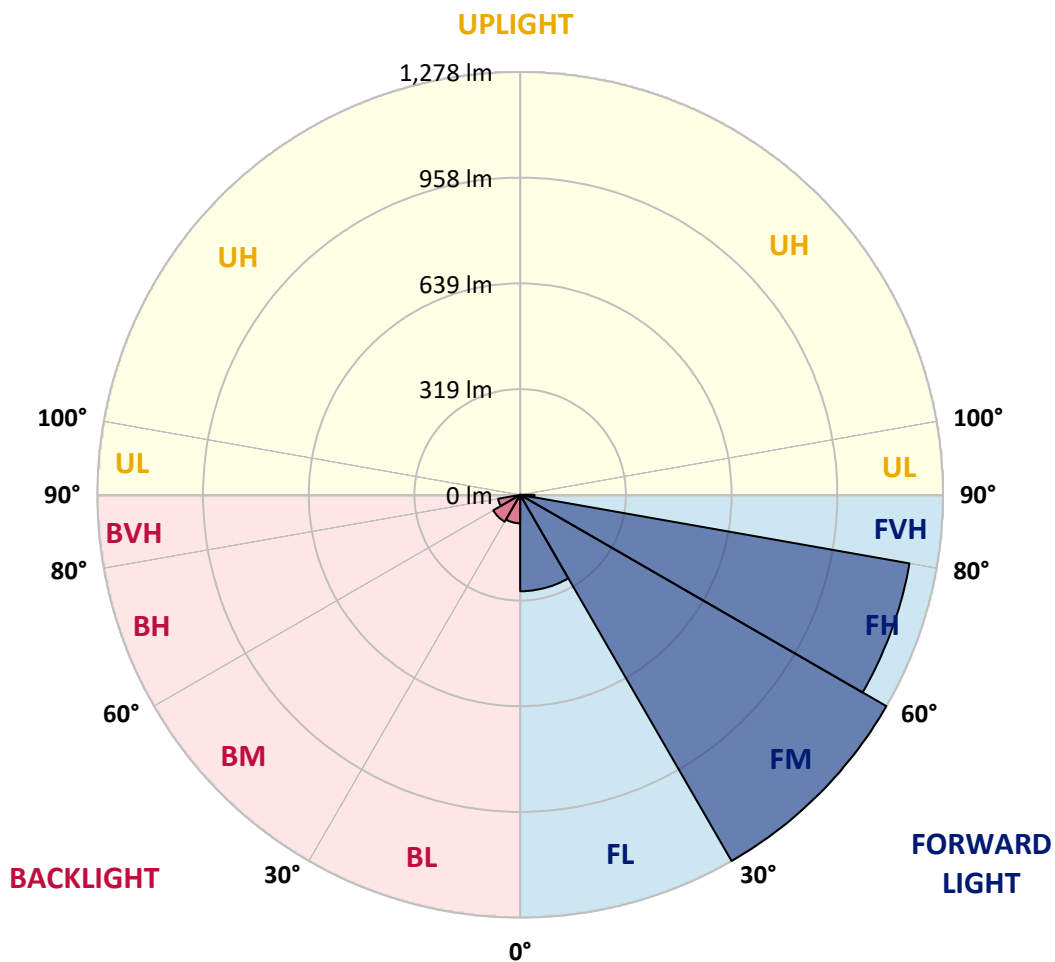
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.3	9.5			
FM	(30°-60°)	1277.8	41.8			
FH	(60°-80°)	1194.6	39.1			G1/1800
FVH	(80°-90°)	43.1	1.4			G1/100
BL	(0°-30°)	86.1	2.8	B0/110		
BM	(30°-60°)	93.8	3.1	B0/220		
BH	(60°-80°)	67.6	2.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	871.7	871.4	867.6	865.9	862.7	856.2	845.9	840.5	832.0	816.9	796.8
5°	863.7	867.9	870.2	870.3	872.6	870.2	861.0	856.5	844.6	820.4	784.1
7.5°	809.9	811.4	817.8	823.3	834.0	844.2	847.6	845.6	838.6	812.6	764.5
10°	752.2	753.8	761.2	768.6	783.1	798.8	815.4	818.9	821.8	801.6	745.4
12.5°	702.4	703.9	711.6	721.2	738.1	757.5	783.2	789.0	801.9	791.0	730.2
15°	659.5	660.3	667.9	679.6	699.8	724.7	753.9	763.0	782.9	783.6	716.8
17.5°	623.1	624.9	629.4	640.7	662.9	693.5	727.6	740.7	764.1	777.4	703.9
20°	600.8	602.6	602.3	608.5	628.4	661.3	701.3	717.1	745.4	771.0	692.4
22.5°	596.5	596.5	591.9	591.1	602.9	630.3	674.0	693.2	728.6	768.2	684.2
25°	611.8	611.1	600.0	590.8	591.3	607.7	647.6	670.4	714.5	770.1	679.9
27.5°	644.4	643.5	629.3	611.8	597.8	597.7	627.6	652.2	703.3	779.1	681.6
30°	689.3	688.9	673.5	651.5	626.2	602.9	620.7	643.0	696.0	795.4	685.6
32.5°	738.3	737.8	726.3	703.1	670.9	626.2	627.9	646.5	698.1	816.9	695.3
35°	790.3	789.4	784.4	764.3	728.9	669.2	651.7	666.4	711.2	849.3	714.2
37.5°	846.7	847.6	851.1	831.8	794.6	729.5	691.7	701.6	737.6	893.2	745.2
40°	929.8	929.7	930.8	905.4	869.6	803.4	747.5	750.5	781.9	951.3	792.2
42.5°	1080.7	1070.2	1038.1	986.2	950.4	887.6	817.8	814.5	836.0	1023.4	858.1
45°	1283.3	1260.9	1177.9	1078.5	1032.6	982.7	904.3	893.8	907.6	1109.9	939.3
47.5°	1457.7	1434.3	1317.0	1174.6	1119.8	1072.8	1005.8	986.9	991.3	1207.0	1042.2
50°	1517.0	1505.6	1403.1	1258.3	1204.4	1186.4	1123.5	1100.3	1094.0	1319.1	1161.7
52.5°	1496.4	1495.5	1427.2	1312.5	1281.7	1303.9	1271.6	1244.8	1221.3	1437.2	1283.1
55°	1463.3	1467.7	1437.0	1360.0	1359.0	1411.1	1474.1	1451.8	1383.7	1565.7	1387.8
57.5°	1372.3	1390.8	1431.5	1449.9	1492.4	1545.8	1642.7	1655.8	1575.3	1663.9	1474.7
60°	1113.4	1154.1	1287.5	1462.8	1664.3	1797.3	1846.2	1857.5	1732.6	1745.7	1592.1
62.5°	790.3	831.8	1000.9	1297.6	1666.9	2127.9	2149.5	2105.4	1905.7	1866.8	1794.5
65°	419.5	451.5	589.7	936.7	1445.3	2204.6	2679.7	2548.5	2211.2	2105.1	2055.8
67.5°	214.6	224.3	279.2	458.4	993.5	1958.2	3155.1	3247.6	2737.7	2341.5	2043.3
69°	189.9	195.6	232.0	331.4	636.2	1658.5	3178.3	3487.5	3013.3	2321.8	1856.7
70°	183.8	188.8	222.0	299.9	497.3	1390.9	3089.6	3466.5	3083.7	2246.8	1717.6
72.5°	156.0	160.3	197.7	265.0	404.1	690.4	2509.8	2937.4	2767.1	1871.6	1243.2
75°	104.4	118.6	189.7	248.5	376.0	392.2	1654.6	2122.8	1971.9	1262.4	647.6
77.5°	25.1	26.9	53.5	197.7	343.9	345.2	851.0	1319.6	1076.3	449.9	153.2
80°	13.5	12.9	15.1	39.3	320.2	324.0	383.0	640.6	384.3	74.6	50.5
82.5°	9.4	9.0	9.6	16.4	100.7	295.2	277.2	290.0	159.3	28.7	22.6
85°	3.5	3.3	5.4	14.8	31.6	169.7	284.8	239.2	129.1	13.1	16.6
87.5°	1.3	1.1	2.1	8.1	9.6	72.2	175.7	180.7	50.8	7.9	7.8
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°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	788.3	777.6	757.9	737.6	719.0	696.5	685.2	674.3	669.6	667.9	659.6
5°	765.4	747.3	705.5	663.5	624.9	583.6	556.5	534.9	522.0	515.8	505.9
7.5°	736.3	706.5	643.2	578.3	518.1	458.6	414.5	380.6	357.3	346.1	335.9
10°	707.9	668.3	578.1	489.8	407.9	329.2	268.3	224.3	196.2	183.2	174.8
12.5°	682.5	631.2	515.4	403.6	300.8	208.6	146.7	111.7	94.1	88.1	85.2
15°	659.9	596.9	456.2	321.8	203.6	119.3	80.2	68.2	65.5	65.5	65.1
17.5°	638.4	563.5	398.9	244.9	127.8	72.9	61.0	59.5	59.5	60.1	60.1
20°	617.9	531.5	343.7	175.7	80.6	57.9	55.1	54.8	55.1	56.0	56.0
22.5°	600.2	502.5	292.0	120.6	59.8	52.2	50.8	50.3	50.5	50.9	51.3
25°	587.1	477.9	243.4	81.7	51.6	47.4	45.9	45.1	44.4	44.4	44.7
27.5°	578.8	457.2	196.2	59.5	46.4	43.2	40.8	39.3	37.8	36.9	37.4
30°	572.8	437.5	151.9	48.5	41.5	38.4	35.2	33.0	30.8	29.7	30.1
32.5°	570.5	421.7	113.5	42.8	37.2	33.7	29.9	26.9	24.5	23.6	23.8
35°	576.6	409.0	83.1	38.7	33.7	29.4	25.1	21.8	19.9	19.4	19.5
37.5°	592.5	402.3	62.3	35.2	30.5	25.8	20.9	17.8	16.6	16.6	16.8
40°	622.5	402.1	49.9	32.8	27.8	22.3	17.2	15.1	14.4	14.6	14.8
42.5°	666.5	411.2	43.5	30.5	25.3	19.0	14.4	12.8	12.7	12.9	13.1
45°	726.5	428.0	40.1	28.7	22.7	15.9	12.0	11.1	11.1	11.6	11.8
47.5°	799.9	452.5	37.2	26.9	20.3	13.3	10.3	9.6	9.9	10.3	10.5
50°	888.3	483.5	34.2	24.7	18.3	11.1	9.0	8.5	8.7	9.3	9.4
52.5°	989.0	525.1	31.8	22.7	15.9	9.2	7.6	7.3	7.6	8.3	8.5
55°	1075.5	562.4	28.8	21.2	12.8	7.6	6.2	6.2	6.6	7.5	7.6
57.5°	1158.5	601.5	26.2	18.3	10.1	6.1	5.2	5.4	5.9	6.7	6.9
60°	1280.5	667.7	23.2	15.4	7.6	4.9	4.3	4.5	5.2	6.1	6.2
62.5°	1487.7	768.4	20.0	12.8	5.9	3.8	3.5	3.8	4.7	5.7	5.9
65°	1674.7	809.3	16.4	10.7	4.5	2.9	2.9	3.5	4.5	5.5	5.7
67.5°	1570.5	681.3	12.8	8.5	3.5	2.2	2.4	3.3	4.3	5.5	5.7
69°	1388.9	557.1	10.9	6.7	2.9	2.1	2.2	3.3	4.3	5.4	5.5
70°	1247.4	470.4	9.6	5.7	2.6	2.1	2.2	3.1	4.3	5.4	5.5
72.5°	835.4	254.0	7.8	4.1	2.4	1.9	1.9	3.1	4.1	5.2	5.4
75°	359.1	70.2	6.2	2.9	2.1	1.7	1.7	2.9	4.0	5.0	5.4
77.5°	65.7	17.8	5.0	2.6	2.1	1.7	1.5	2.8	3.8	4.9	5.0
80°	26.1	8.8	4.0	2.2	1.9	1.5	1.3	2.6	3.7	4.7	4.9
82.5°	15.7	5.0	3.3	2.1	1.9	1.3	1.3	2.2	3.5	4.5	4.7
85°	12.8	3.5	2.6	2.1	1.7	1.3	1.1	2.1	3.1	4.3	4.5
87.5°	6.2	2.4	2.4	1.9	1.7	1.3	1.1	1.9	2.9	4.1	4.3
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)