

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: P199963

Luminaire Tested: **GWC-AF-01-LED-E1-SL3-7030-600-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199963  
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-SL3-7030-600-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 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: 3401.6 lumens  
Efficiency: N/A  
Efficacy: 100.0 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

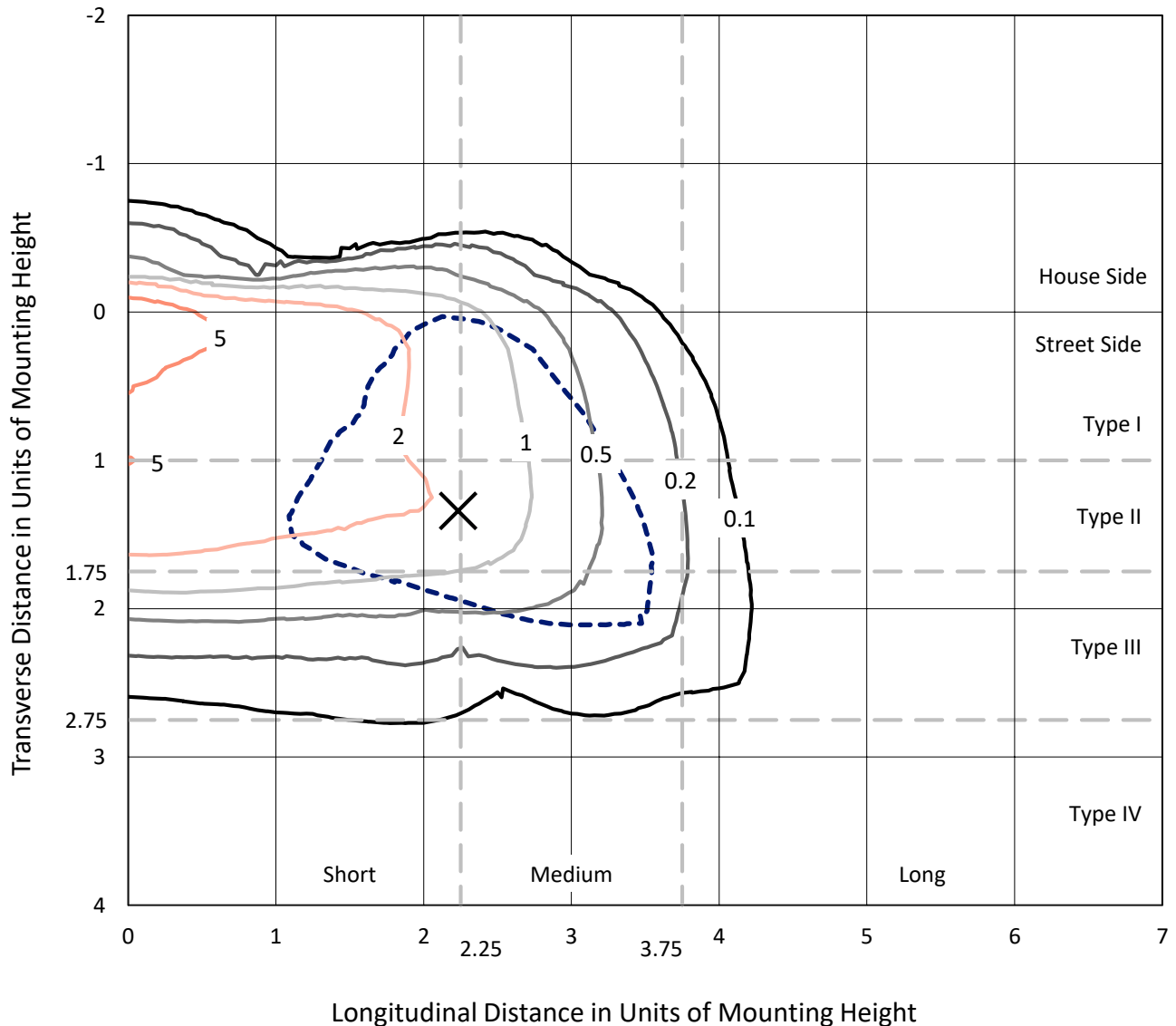


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

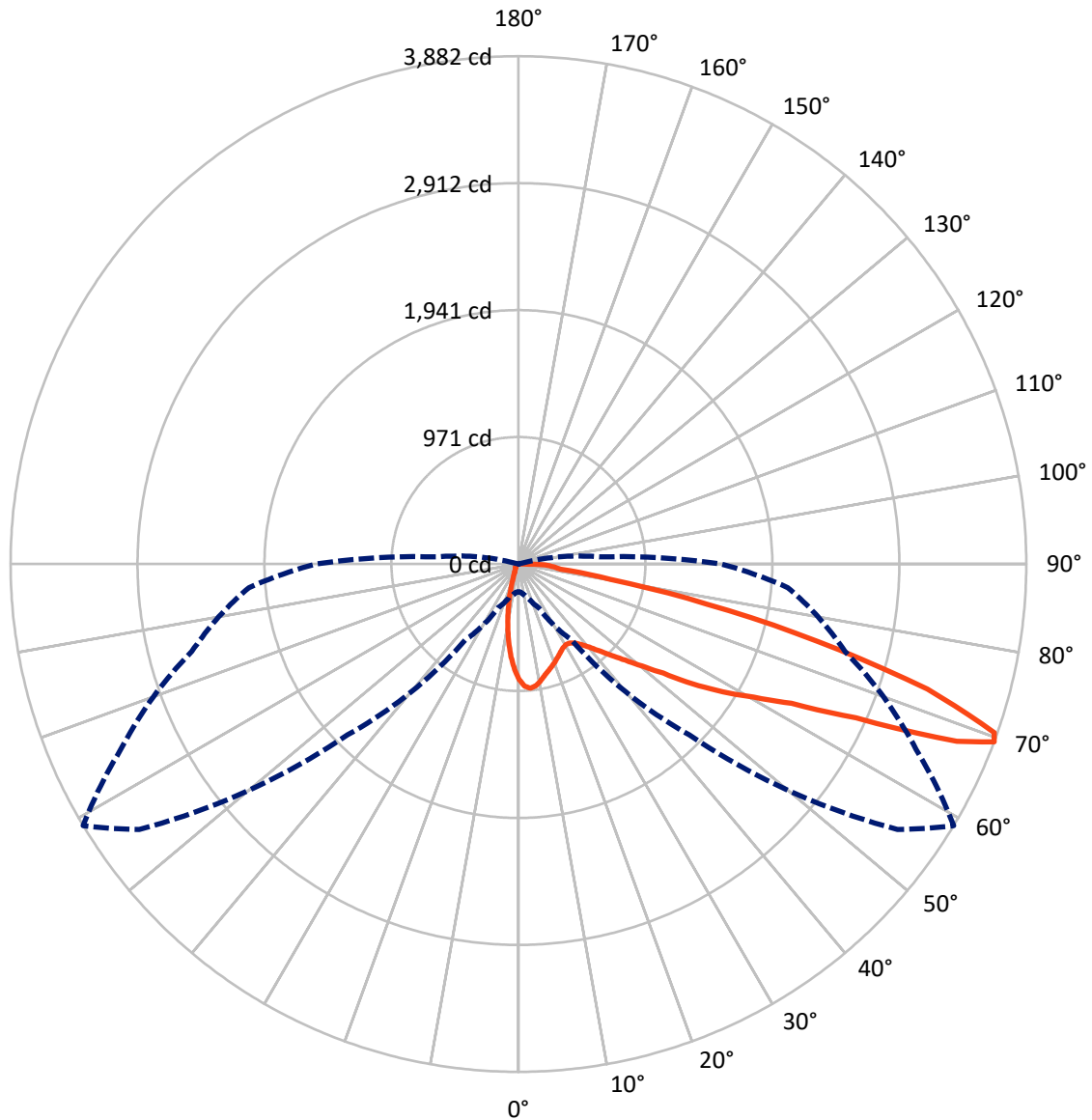


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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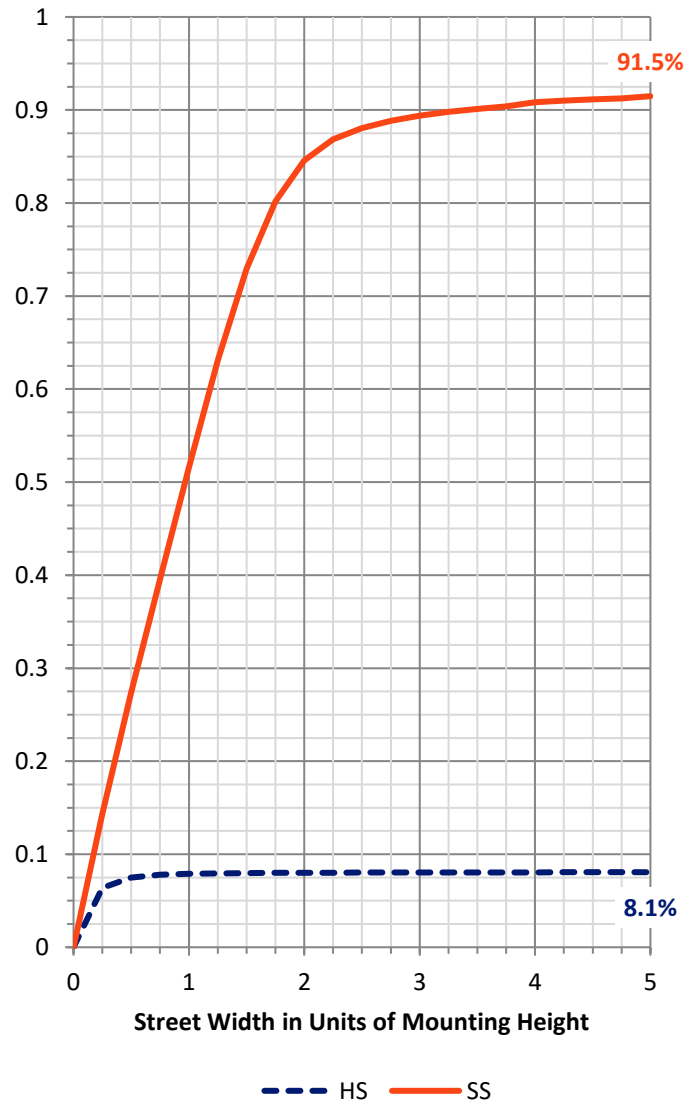
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	277.0	0.0	277.0
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	3124.6	0.0	3124.6
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	3401.6	0.0	3401.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.9	2.1
10°-20°	148.5	4.4
20°-30°	199.8	5.9
30°-40°	290.1	8.5
40°-50°	483.1	14.2
50°-60°	753.6	22.2
60°-70°	932.5	27.4
70°-80°	472.6	13.9
80°-90°	49.5	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°	3401.6	100.0
0°-180°	3401.6	100.0



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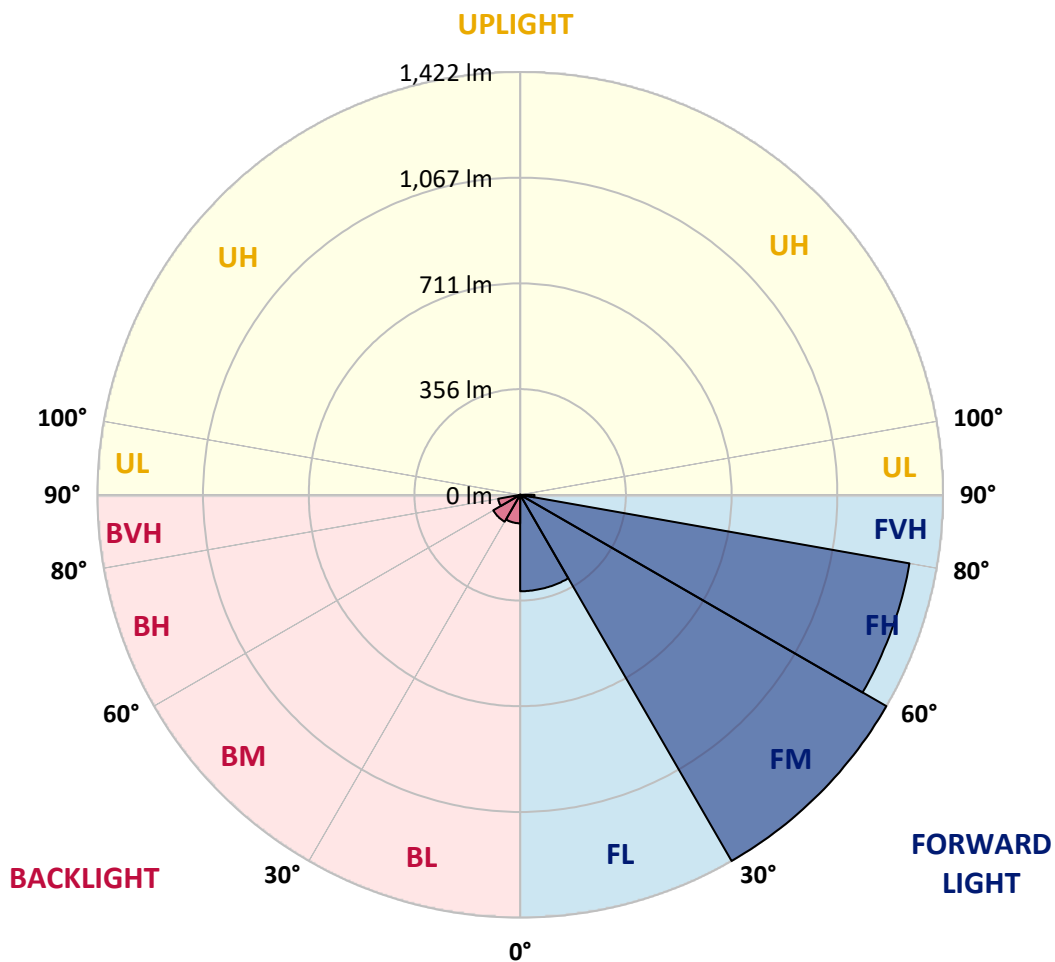
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.3	9.5			
FM	(30°-60°)	1422.4	41.8			
FH	(60°-80°)	1329.9	39.1			G1/1800
FVH	(80°-90°)	47.9	1.4			G1/100
BL	(0°-30°)	95.9	2.8	B0/110		
BM	(30°-60°)	104.4	3.1	B0/220		
BH	(60°-80°)	75.2	2.2	B0/110		G0/110
BVH	(80°-90°)	1.5	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°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	970.4	970.0	965.8	963.9	960.4	953.1	941.7	935.7	926.2	909.4	887.0
5°	961.5	966.1	968.7	968.8	971.4	968.7	958.5	953.5	940.2	913.3	872.9
7.5°	901.6	903.3	910.4	916.5	928.4	939.8	943.5	941.3	933.5	904.6	851.0
10°	837.3	839.1	847.4	855.6	871.7	889.2	907.7	911.6	914.8	892.3	829.8
12.5°	781.9	783.6	792.2	802.9	821.7	843.3	871.9	878.3	892.7	880.5	812.9
15°	734.2	735.0	743.5	756.5	779.0	806.7	839.2	849.4	871.5	872.3	798.0
17.5°	693.6	695.6	700.7	713.2	737.9	772.0	810.0	824.6	850.6	865.4	783.6
20°	668.8	670.8	670.5	677.4	699.5	736.2	780.7	798.3	829.8	858.3	770.8
22.5°	664.0	664.0	658.9	658.0	671.1	701.7	750.3	771.7	811.1	855.2	761.7
25°	681.1	680.3	667.9	657.7	658.2	676.5	720.9	746.3	795.4	857.3	756.9
27.5°	717.3	716.3	700.5	681.1	665.5	665.4	698.6	726.0	782.9	867.3	758.8
30°	767.3	766.9	749.8	725.3	697.1	671.1	691.0	715.8	774.8	885.4	763.2
32.5°	821.9	821.3	808.5	782.7	746.9	697.1	699.0	719.7	777.1	909.4	774.0
35°	879.8	878.8	873.2	850.8	811.4	745.0	725.5	741.8	791.7	945.4	795.1
37.5°	942.5	943.5	947.5	926.0	884.6	812.1	770.0	781.0	821.1	994.3	829.6
40°	1035.1	1034.9	1036.2	1007.9	968.1	894.3	832.1	835.5	870.4	1059.0	881.9
42.5°	1203.0	1191.3	1155.6	1097.9	1058.0	988.1	910.4	906.7	930.6	1139.3	955.2
45°	1428.6	1403.6	1311.2	1200.6	1149.5	1093.9	1006.7	995.0	1010.3	1235.6	1045.6
47.5°	1622.7	1596.7	1466.1	1307.6	1246.6	1194.3	1119.7	1098.6	1103.5	1343.6	1160.2
50°	1688.7	1676.0	1561.9	1400.7	1340.7	1320.7	1250.7	1224.9	1217.8	1468.4	1293.2
52.5°	1665.8	1664.8	1588.8	1461.1	1426.8	1451.5	1415.5	1385.7	1359.6	1599.9	1428.4
55°	1629.0	1633.8	1599.7	1514.0	1512.8	1570.9	1641.0	1616.2	1540.3	1742.9	1544.9
57.5°	1527.7	1548.3	1593.6	1614.0	1661.4	1720.8	1828.7	1843.3	1753.6	1852.3	1641.7
60°	1239.5	1284.7	1433.2	1628.4	1852.7	2000.8	2055.2	2067.8	1928.7	1943.3	1772.3
62.5°	879.8	926.0	1114.2	1444.5	1855.6	2368.8	2392.8	2343.7	2121.4	2078.1	1997.6
65°	467.0	502.6	656.5	1042.7	1608.9	2454.2	2983.1	2837.0	2461.5	2343.4	2288.5
67.5°	238.9	249.7	310.8	510.3	1106.0	2179.9	3512.3	3615.2	3047.6	2606.6	2274.6
69°	211.4	217.7	258.3	368.9	708.2	1846.3	3538.1	3882.3	3354.4	2584.7	2066.9
70°	204.6	210.2	247.1	333.9	553.6	1548.4	3439.4	3858.9	3432.8	2501.1	1912.0
72.5°	173.7	178.5	220.1	295.0	449.9	768.6	2793.9	3269.9	3080.4	2083.5	1383.9
75°	116.2	132.0	211.2	276.6	418.6	436.6	1841.9	2363.1	2195.1	1405.3	720.9
77.5°	27.9	30.0	59.6	220.1	382.8	384.3	947.3	1469.0	1198.1	500.8	170.5
80°	15.0	14.4	16.8	43.7	356.4	360.7	426.4	713.1	427.8	83.1	56.2
82.5°	10.5	10.0	10.7	18.3	112.1	328.6	308.6	322.8	177.3	31.9	25.2
85°	3.9	3.7	6.0	16.5	35.2	188.9	317.0	266.3	143.7	14.6	18.5
87.5°	1.4	1.2	2.3	9.0	10.7	80.4	195.6	201.2	56.6	8.8	8.7
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°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	877.5	865.6	843.7	821.1	800.4	775.4	762.8	750.6	745.4	743.5	734.3
5°	852.1	831.9	785.4	738.6	695.6	649.7	619.5	595.4	581.1	574.2	563.2
7.5°	819.6	786.5	716.0	643.8	576.7	510.5	461.4	423.7	397.7	385.3	373.9
10°	788.0	744.0	643.6	545.3	454.1	366.5	298.7	249.7	218.4	203.9	194.6
12.5°	759.8	702.7	573.8	449.3	334.9	232.2	163.3	124.3	104.8	98.1	94.8
15°	734.6	664.5	507.8	358.2	226.7	132.8	89.3	75.9	72.9	72.9	72.5
17.5°	710.7	627.3	444.1	272.6	142.3	81.2	67.9	66.2	66.2	66.9	66.9
20°	687.8	591.7	382.6	195.6	89.7	64.4	61.3	61.0	61.3	62.3	62.3
22.5°	668.2	559.4	325.1	134.3	66.6	58.1	56.6	56.0	56.2	56.7	57.1
25°	653.6	532.0	270.9	91.0	57.4	52.8	51.1	50.2	49.4	49.4	49.8
27.5°	644.3	509.0	218.4	66.2	51.6	48.1	45.4	43.8	42.1	41.1	41.6
30°	637.7	487.0	169.1	54.0	46.2	42.7	39.2	36.7	34.3	33.1	33.5
32.5°	635.1	469.4	126.4	47.7	41.4	37.5	33.3	30.0	27.3	26.3	26.5
35°	641.9	455.3	92.5	43.1	37.5	32.7	27.9	24.3	22.1	21.6	21.7
37.5°	659.6	447.8	69.3	39.2	34.0	28.7	23.3	19.8	18.5	18.5	18.7
40°	693.0	447.6	55.6	36.5	30.9	24.8	19.2	16.8	16.0	16.3	16.5
42.5°	741.9	457.8	48.4	34.0	28.2	21.2	16.0	14.3	14.1	14.4	14.6
45°	808.7	476.5	44.6	31.9	25.3	17.7	13.4	12.4	12.4	12.9	13.1
47.5°	890.4	503.7	41.4	29.9	22.6	14.8	11.5	10.7	11.0	11.5	11.7
50°	988.9	538.2	38.1	27.5	20.4	12.4	10.0	9.5	9.7	10.4	10.5
52.5°	1101.0	584.5	35.4	25.3	17.7	10.2	8.5	8.1	8.5	9.2	9.5
55°	1197.2	626.1	32.1	23.6	14.3	8.5	6.9	6.9	7.3	8.3	8.5
57.5°	1289.7	669.6	29.2	20.4	11.2	6.8	5.8	6.0	6.6	7.5	7.7
60°	1425.5	743.3	25.8	17.1	8.5	5.4	4.8	5.0	5.8	6.8	6.9
62.5°	1656.1	855.4	22.3	14.3	6.6	4.2	3.9	4.2	5.2	6.3	6.6
65°	1864.3	900.9	18.3	11.9	5.0	3.2	3.2	3.9	5.0	6.1	6.3
67.5°	1748.3	758.4	14.3	9.5	3.9	2.5	2.7	3.7	4.8	6.1	6.3
69°	1546.1	620.2	12.1	7.5	3.2	2.3	2.5	3.7	4.8	6.0	6.1
70°	1388.6	523.6	10.7	6.3	2.9	2.3	2.5	3.4	4.8	6.0	6.1
72.5°	930.0	282.8	8.7	4.6	2.7	2.1	2.1	3.4	4.6	5.8	6.0
75°	399.7	78.1	6.9	3.2	2.3	1.9	1.9	3.2	4.4	5.6	6.0
77.5°	73.1	19.8	5.6	2.9	2.3	1.9	1.7	3.1	4.2	5.4	5.6
80°	29.0	9.8	4.4	2.5	2.1	1.7	1.5	2.9	4.1	5.2	5.4
82.5°	17.5	5.6	3.7	2.3	2.1	1.5	1.4	2.5	3.9	5.0	5.2
85°	14.3	3.9	2.9	2.3	1.9	1.5	1.2	2.3	3.4	4.8	5.0
87.5°	6.9	2.7	2.7	2.1	1.9	1.5	1.2	2.1	3.2	4.6	4.8
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)