

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: P200587

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
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-SL2-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2831 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-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

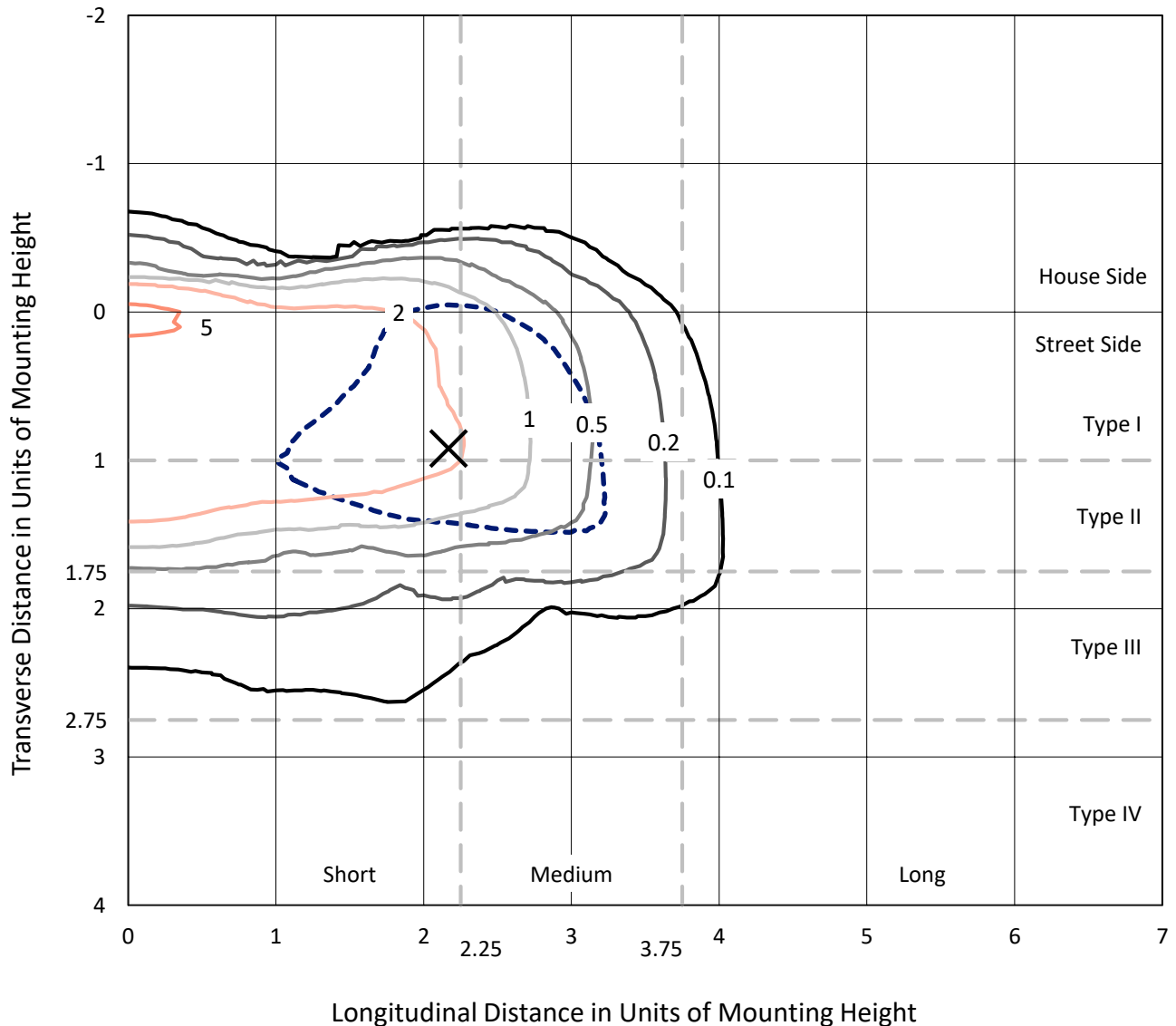


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Iso-Footcandle Lines of Horizontal Illumination

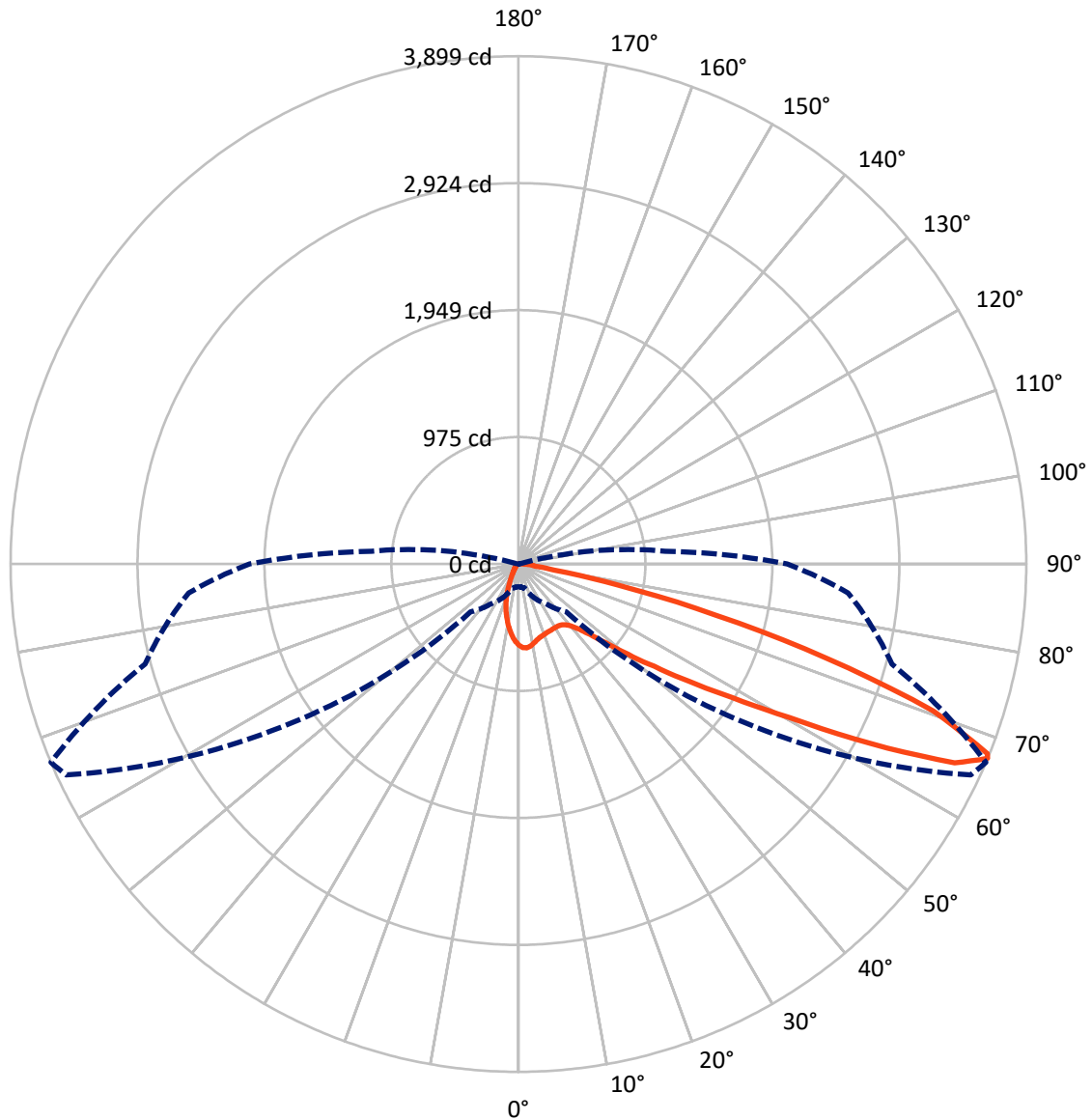
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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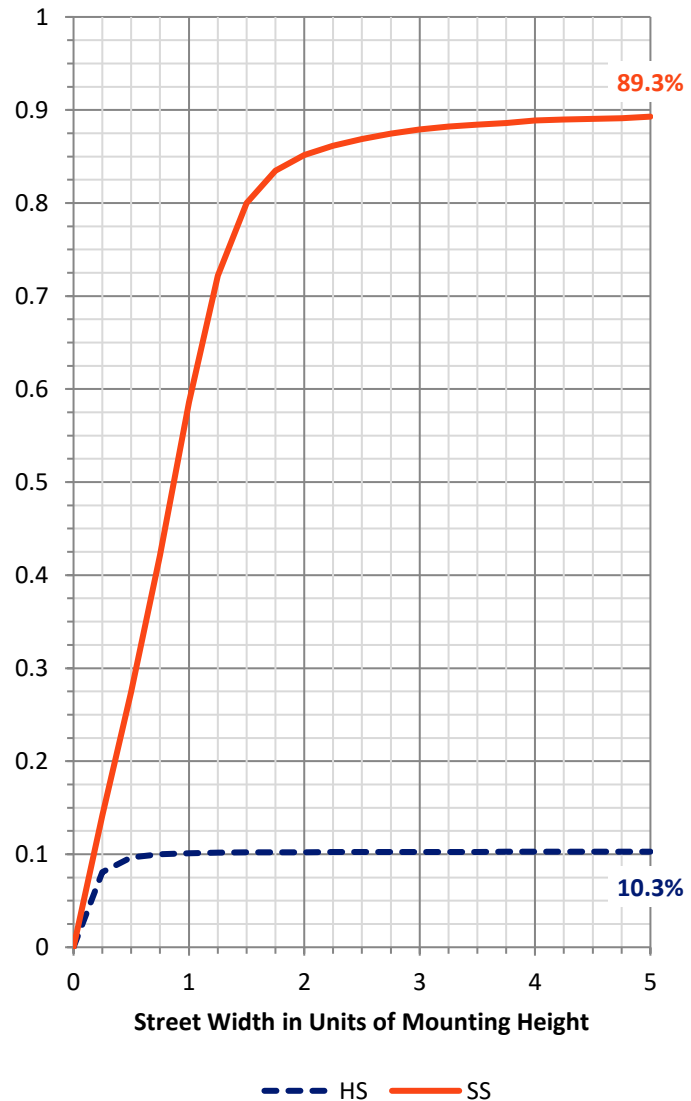
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	294.0	0.0	294.0
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	2537.1	0.0	2537.1
	% Fixture	89.6	0.0	89.6
Total	Lumens	2831.0	0.0	2831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.8
10°-20°	108.1	3.8
20°-30°	157.2	5.6
30°-40°	245.2	8.7
40°-50°	434.4	15.3
50°-60°	687.5	24.3
60°-70°	787.4	27.8
70°-80°	326.6	11.5
80°-90°	33.7	1.2
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°	2831.0	100.0
0°-180°	2831.0	100.0

Coefficient of Utilization



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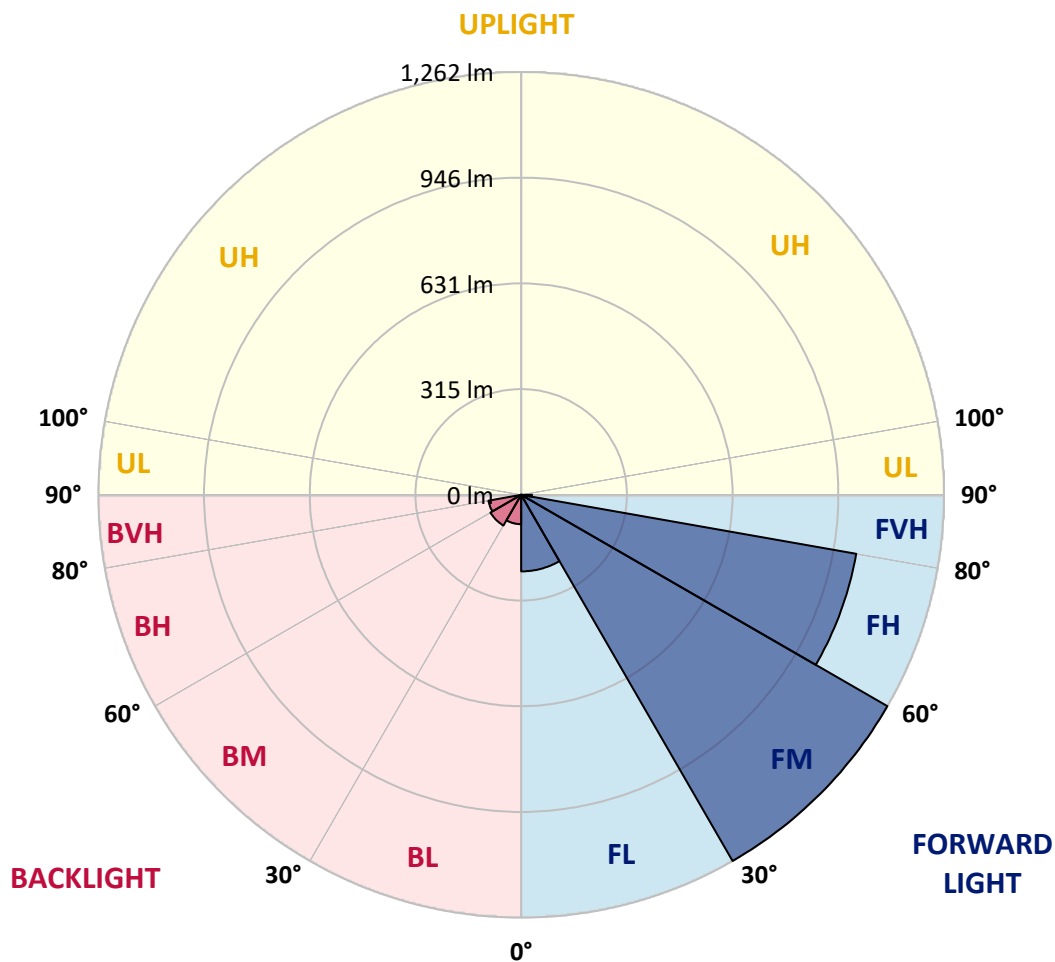
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.4	8.1			
FM (30°-60°)	1261.5	44.6			
FH (60°-80°)	1014.9	35.9			G1/1800
FVH (80°-90°)	32.2	1.1			G1/100
BL (0°-30°)	87.7	3.1	B0/110		
BM (30°-60°)	105.6	3.7	B0/220		
BH (60°-80°)	99.1	3.5	B0/110		G0/110
BVH (80°-90°)	1.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3
2.5°	645.5	646.8	646.6	647.6	649.9	650.1	647.8	643.3	642.3	636.6	626.5
5°	595.3	599.1	601.4	610.8	621.4	634.1	643.7	647.1	646.6	642.5	627.3
7.5°	538.0	541.8	544.4	555.5	569.5	591.3	616.2	636.7	638.5	643.0	626.7
10°	499.8	500.5	504.1	514.7	529.4	551.7	581.4	617.2	622.7	639.0	625.0
12.5°	468.5	469.0	473.7	485.1	500.8	523.3	554.5	595.9	604.4	634.1	624.7
15°	446.2	448.0	452.3	464.2	480.8	503.1	535.2	580.3	590.3	632.3	627.6
17.5°	438.7	440.7	442.0	450.6	465.8	487.6	520.5	570.0	581.4	633.3	633.4
20°	446.5	448.0	445.0	447.2	456.6	476.1	508.1	561.3	574.8	634.4	640.9
22.5°	475.4	476.1	468.0	458.6	456.9	467.6	498.3	554.3	568.9	637.6	649.6
25°	524.9	523.8	510.6	490.3	471.1	466.1	492.6	550.0	565.9	640.9	658.7
27.5°	584.7	586.4	568.2	538.6	502.1	476.1	491.7	548.2	564.6	643.2	666.6
30°	657.4	659.7	638.9	601.7	549.4	500.5	499.3	547.9	563.7	641.7	667.3
32.5°	731.5	734.3	718.0	679.7	612.5	541.4	516.5	551.5	565.4	636.6	663.5
35°	809.1	813.1	802.2	769.3	698.0	600.6	546.7	562.6	573.2	636.1	659.7
37.5°	916.3	919.9	899.4	864.6	801.5	679.8	595.3	583.4	591.5	644.0	660.7
40°	1076.3	1075.8	1023.0	969.6	915.3	780.5	663.5	621.0	625.2	667.9	672.9
42.5°	1250.7	1249.8	1171.7	1090.7	1041.6	904.6	753.1	686.1	683.3	712.0	704.6
45°	1385.1	1384.9	1321.2	1229.9	1193.7	1046.9	869.1	776.6	772.3	783.7	763.0
47.5°	1442.4	1443.4	1411.3	1347.1	1362.3	1239.4	1015.2	907.7	901.3	896.6	865.3
50°	1397.8	1399.8	1402.4	1389.9	1486.0	1498.2	1211.2	1092.5	1089.3	1068.7	1019.7
52.5°	1252.1	1262.2	1293.3	1333.1	1528.9	1746.5	1518.5	1322.0	1305.2	1283.2	1229.2
55°	1006.8	1017.8	1076.8	1173.4	1465.0	1909.7	1949.1	1617.9	1589.8	1524.3	1446.3
57.5°	666.3	683.5	769.0	891.8	1279.4	1935.9	2378.8	2028.6	1930.8	1751.3	1663.5
60°	367.1	383.6	476.4	587.7	924.0	1806.1	2667.8	2563.2	2390.5	2005.1	1927.2
62.5°	226.1	235.0	303.5	407.0	554.2	1425.5	2727.5	3235.1	3035.2	2331.9	2245.7
65°	180.0	183.8	217.3	332.7	397.3	847.9	2534.5	3747.4	3680.7	2727.5	2530.9
67°	174.7	176.2	192.0	285.7	374.5	519.8	2123.4	3830.7	3898.5	2967.0	2539.8
67.5°	175.9	177.5	192.5	272.6	373.8	477.7	1981.7	3797.9	3883.4	2986.0	2500.3
70°	169.6	174.7	220.4	272.5	355.5	397.0	1186.8	3290.6	3379.6	2774.4	2121.5
72.5°	60.1	60.4	95.3	220.4	386.6	401.3	595.9	2412.3	2478.2	2122.4	1529.6
75°	35.7	30.4	31.7	62.7	369.4	389.7	343.8	1541.4	1566.1	1216.2	774.6
77.5°	24.6	21.5	22.1	27.7	140.7	384.2	273.1	803.8	777.6	426.5	165.0
80°	14.0	12.4	13.2	24.3	51.2	358.5	257.6	326.0	277.9	72.3	45.6
82.5°	7.4	6.3	7.6	20.0	35.7	223.4	258.1	157.5	124.8	24.4	31.0
85°	2.6	2.1	3.6	13.7	23.8	68.5	239.3	132.4	104.0	11.9	23.6
87.5°	0.5	0.5	1.5	5.6	9.6	21.0	141.5	78.6	52.7	7.1	16.2
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°	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3	624.3
2.5°	622.4	615.3	605.7	594.0	580.1	567.9	558.8	549.4	547.4	544.1	543.6
5°	618.2	606.0	582.2	555.0	525.9	499.7	478.4	459.4	451.0	443.7	442.9
7.5°	612.1	593.8	553.3	509.4	464.0	422.7	387.7	362.9	340.2	329.3	327.6
10°	605.0	578.8	520.8	459.9	397.1	338.8	286.8	243.2	216.8	201.1	199.1
12.5°	598.4	564.1	487.6	408.5	325.1	247.2	180.3	138.7	111.0	99.7	98.4
15°	595.3	552.2	456.6	356.0	249.8	157.4	98.6	76.3	67.2	64.6	64.4
17.5°	594.9	542.1	426.2	301.7	175.0	91.5	64.2	58.6	56.8	56.1	56.1
20°	594.8	532.5	395.8	245.4	111.1	60.9	53.5	52.2	50.9	50.0	50.0
22.5°	596.6	523.9	364.1	187.9	70.0	49.4	47.1	45.7	44.1	42.9	42.8
25°	598.4	517.3	331.7	133.8	50.7	42.9	40.6	38.8	36.5	35.0	34.8
27.5°	598.7	509.1	297.1	89.5	42.4	37.5	34.5	31.7	29.1	27.6	27.4
30°	593.8	495.2	258.6	60.4	37.5	32.5	28.6	25.6	23.1	22.0	22.0
32.5°	584.0	478.0	216.3	45.6	33.4	27.9	23.6	20.8	19.2	18.7	18.5
35°	575.3	459.5	172.9	38.6	29.9	23.6	19.3	17.5	16.5	16.3	16.2
37.5°	570.2	444.7	132.1	35.0	26.6	19.8	16.3	15.0	14.5	14.2	14.4
40°	574.1	432.3	97.6	32.0	23.3	16.5	13.9	13.2	12.7	12.5	12.5
42.5°	591.5	430.2	72.5	29.4	20.1	13.7	12.1	11.6	11.2	11.1	11.2
45°	637.1	443.4	56.3	26.9	17.0	11.6	10.2	10.1	9.9	9.9	9.9
47.5°	705.6	470.6	46.9	24.1	14.2	9.9	8.9	8.8	8.6	8.8	8.8
50°	821.7	520.5	41.9	21.3	11.7	8.4	7.6	7.6	7.6	7.6	7.8
52.5°	998.2	618.6	38.6	18.5	9.6	7.1	6.4	6.4	6.6	6.6	6.8
55°	1194.8	748.7	35.7	15.7	8.1	5.9	5.3	5.4	5.6	5.8	5.8
57.5°	1408.2	892.8	33.2	12.9	6.9	4.8	4.5	4.6	4.8	5.1	5.1
60°	1665.6	1048.9	29.6	10.1	5.8	3.8	3.5	3.8	4.3	4.6	4.8
62.5°	1948.3	1199.8	24.9	7.9	4.8	3.0	2.8	3.5	4.1	4.5	4.6
65°	2141.5	1247.2	19.2	6.4	3.6	2.1	2.3	3.1	4.0	4.5	4.5
67°	2063.2	1130.8	15.7	5.4	3.0	1.7	2.1	3.1	4.0	4.3	4.5
67.5°	2008.9	1085.2	15.0	5.3	2.8	1.7	2.1	3.1	4.0	4.5	4.5
70°	1634.6	815.2	12.5	4.0	2.3	1.5	1.8	3.0	3.8	4.3	4.3
72.5°	1135.7	502.6	11.2	2.8	2.0	1.3	1.7	2.8	3.6	4.1	4.3
75°	540.0	182.0	9.6	2.1	1.8	1.2	1.5	2.8	3.6	4.1	4.1
77.5°	110.1	42.3	7.8	1.8	1.5	1.2	1.3	2.6	3.5	4.0	4.0
80°	36.2	16.3	5.8	1.7	1.5	1.2	1.3	2.5	3.5	3.8	4.0
82.5°	26.1	8.3	3.8	1.7	1.5	1.2	1.2	2.5	3.3	3.8	3.8
85°	20.0	5.8	2.5	1.7	1.5	1.2	1.2	2.3	3.1	3.6	3.6
87.5°	13.2	2.3	2.0	1.7	1.5	1.2	1.2	2.3	3.0	3.5	3.6
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)