

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: P200589

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-8030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200589
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-SL2-8030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 3471 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - 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

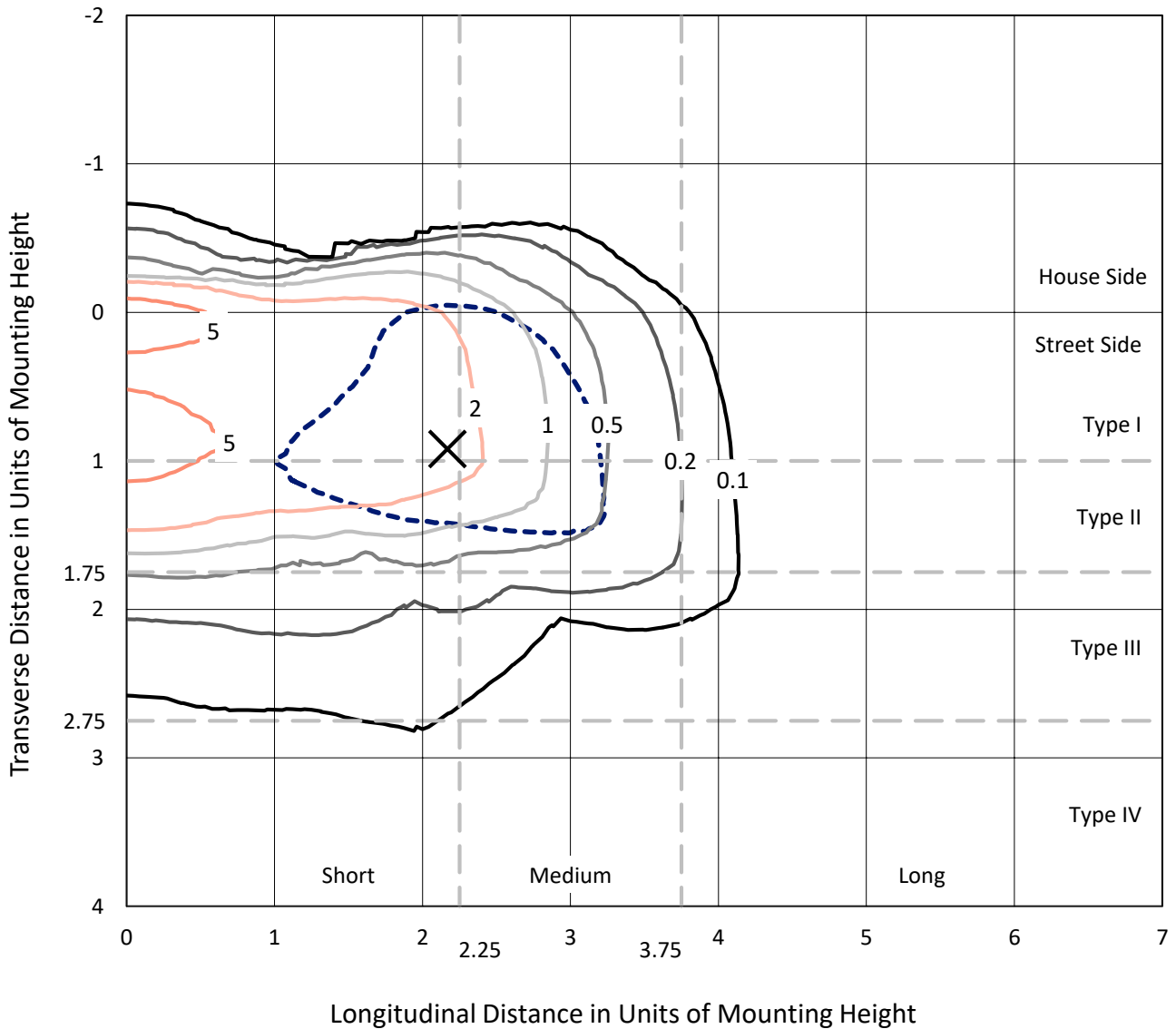


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Iso-Footcandle Lines of Horizontal Illumination

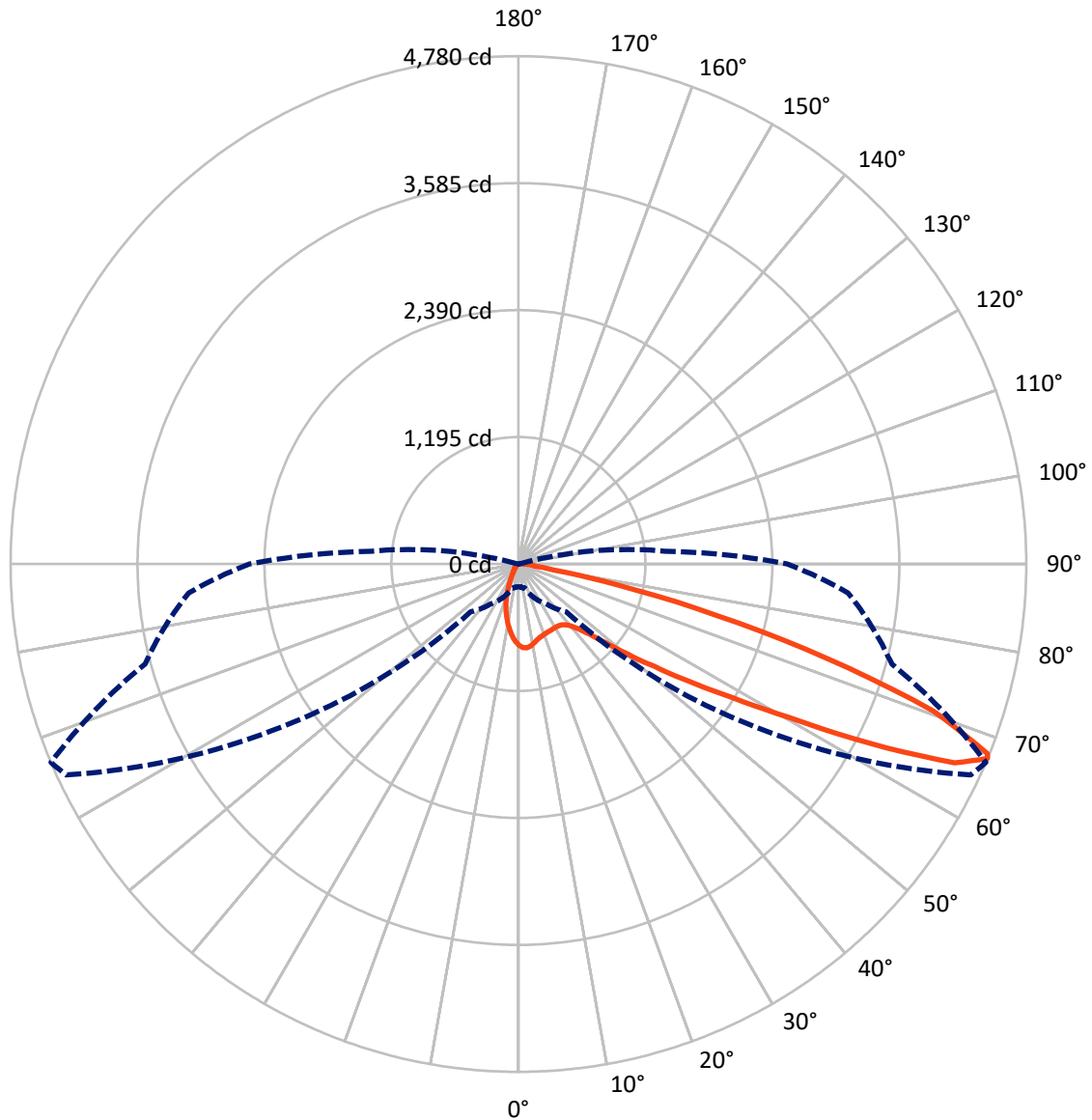
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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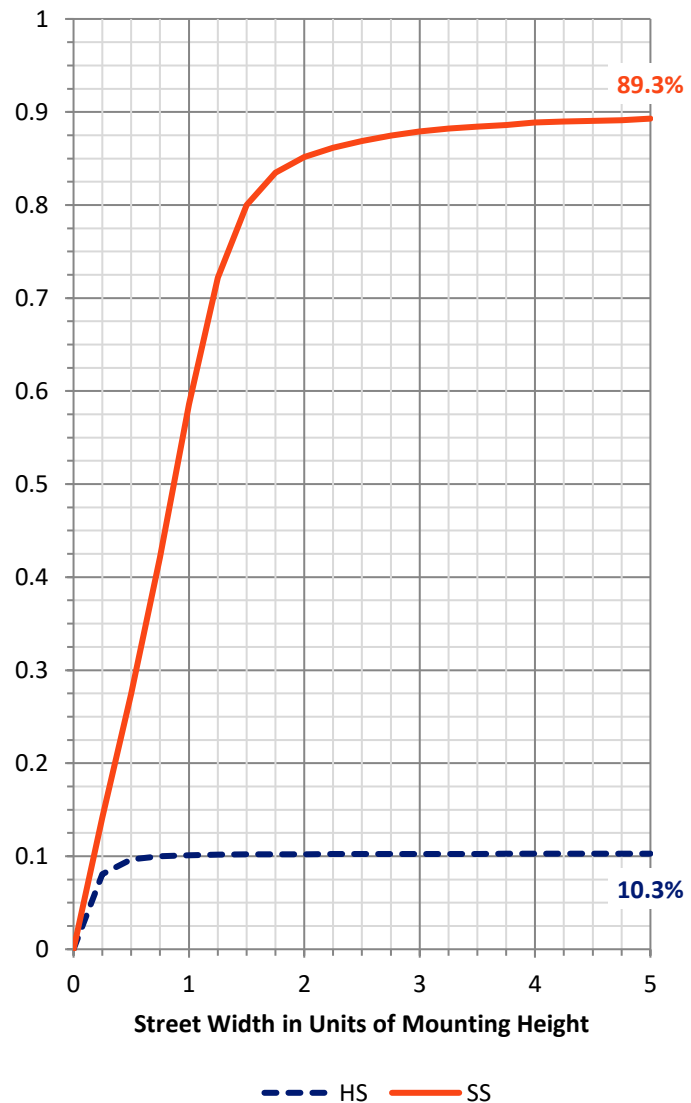
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	360.4	0.0	360.4
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	3110.6	0.0	3110.6
	% Fixture	89.6	0.0	89.6
Total	Lumens	3471.0	0.0	3471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.8
10°-20°	132.6	3.8
20°-30°	192.7	5.6
30°-40°	300.7	8.7
40°-50°	532.7	15.3
50°-60°	842.9	24.3
60°-70°	965.4	27.8
70°-80°	400.4	11.5
80°-90°	41.4	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°	3471.0	100.0
0°-180°	3471.0	100.0

Coefficient of Utilization



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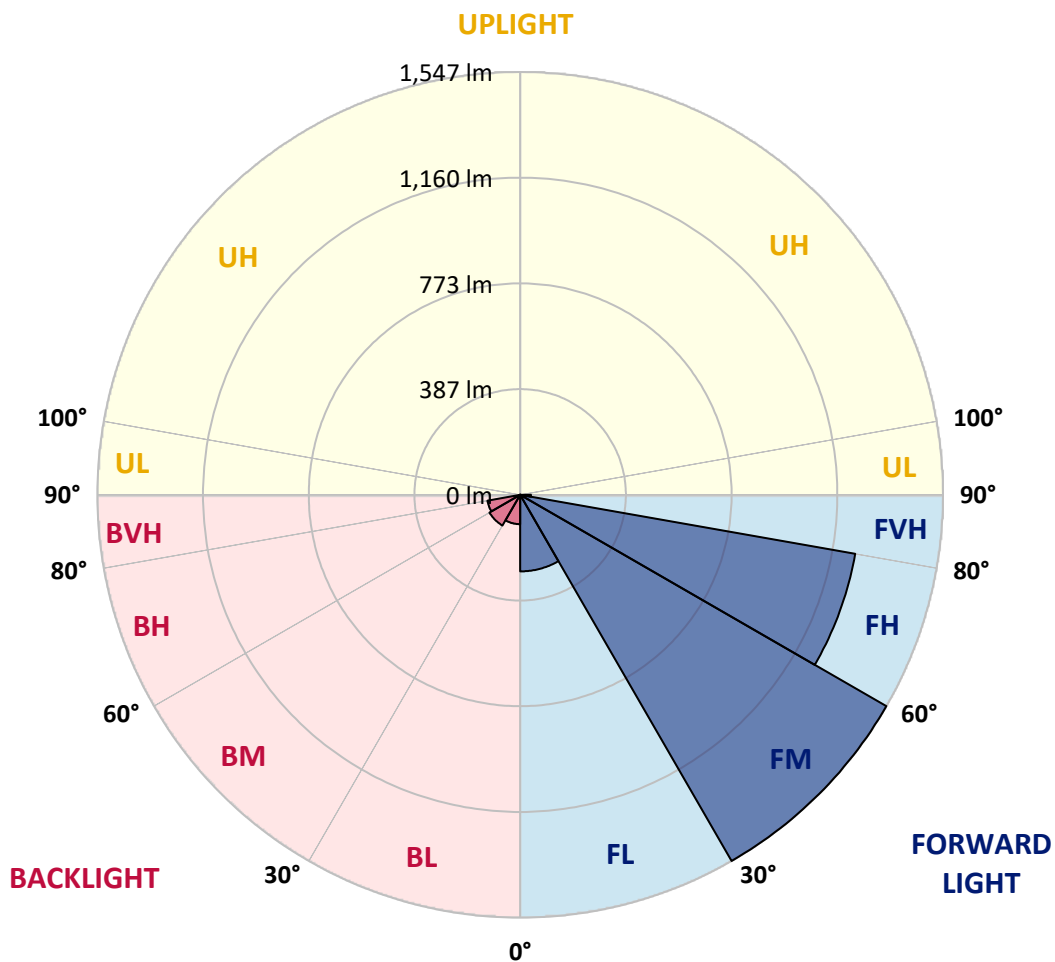
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.1	8.1			
FM (30°-60°)	1546.7	44.6			
FH (60°-80°)	1244.4	35.9			G1/1800
FVH (80°-90°)	39.5	1.1			G1/100
BL (0°-30°)	107.5	3.1	B0/110		
BM (30°-60°)	129.5	3.7	B0/220		
BH (60°-80°)	121.5	3.5	B1/500		G1/500
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5
2.5°	791.4	793.0	792.8	794.0	796.9	797.1	794.2	788.8	787.6	780.5	768.1
5°	729.9	734.5	737.3	748.9	761.8	777.4	789.2	793.4	792.8	787.8	769.1
7.5°	659.6	664.3	667.5	681.1	698.3	725.0	755.6	780.7	782.9	788.4	768.3
10°	612.8	613.6	618.1	631.1	649.1	676.4	712.8	756.8	763.5	783.5	766.3
12.5°	574.4	575.0	580.8	594.8	614.0	641.6	679.8	730.7	741.0	777.4	765.9
15°	547.0	549.3	554.5	569.1	589.5	616.9	656.2	711.4	723.8	775.2	769.5
17.5°	537.9	540.4	542.0	552.5	571.1	597.9	638.1	698.9	712.8	776.4	776.6
20°	547.4	549.3	545.6	548.2	559.8	583.7	623.0	688.1	704.7	777.8	785.7
22.5°	582.9	583.7	573.8	562.2	560.2	573.4	611.0	679.6	697.5	781.7	796.5
25°	643.6	642.2	626.0	601.1	577.6	571.5	603.9	674.4	693.8	785.7	807.6
27.5°	716.9	718.9	696.6	660.4	615.7	583.7	602.9	672.2	692.2	788.6	817.3
30°	806.0	808.8	783.3	737.7	673.6	613.6	612.2	671.7	691.2	786.7	818.1
32.5°	896.9	900.3	880.3	833.3	750.9	663.9	633.3	676.2	693.2	780.5	813.5
35°	992.0	996.9	983.5	943.2	855.8	736.3	670.3	689.8	702.7	779.9	808.8
37.5°	1123.4	1127.9	1102.8	1060.1	982.7	833.5	729.9	715.3	725.2	789.6	810.0
40°	1319.6	1319.0	1254.2	1188.8	1122.2	957.0	813.5	761.4	766.5	818.9	825.0
42.5°	1533.4	1532.4	1436.6	1337.2	1277.1	1109.1	923.4	841.2	837.8	873.0	863.9
45°	1698.2	1698.0	1619.8	1507.9	1463.5	1283.6	1065.5	952.1	946.9	960.9	935.5
47.5°	1768.4	1769.7	1730.4	1651.6	1670.3	1519.6	1244.7	1112.9	1105.0	1099.3	1060.9
50°	1713.8	1716.2	1719.5	1704.1	1821.9	1836.9	1485.0	1339.4	1335.6	1310.3	1250.2
52.5°	1535.2	1547.6	1585.6	1634.4	1874.5	2141.4	1861.8	1620.9	1600.2	1573.3	1507.1
55°	1234.4	1247.9	1320.2	1438.6	1796.2	2341.4	2389.8	1983.7	1949.2	1868.9	1773.3
57.5°	816.9	838.0	942.8	1093.5	1568.6	2373.6	2916.6	2487.2	2367.3	2147.2	2039.5
60°	450.1	470.3	584.1	720.5	1132.9	2214.5	3270.9	3142.7	2930.9	2458.4	2362.9
62.5°	277.2	288.1	372.1	499.1	679.4	1747.8	3344.2	3966.5	3721.3	2859.1	2753.4
65°	220.7	225.3	266.4	407.9	487.1	1039.6	3107.5	4594.5	4512.7	3344.2	3103.0
67°	214.2	216.0	235.5	350.2	459.2	637.3	2603.4	4696.8	4779.8	3637.7	3114.0
67.5°	215.6	217.6	236.1	334.3	458.4	585.7	2429.7	4656.5	4761.3	3661.0	3065.6
70°	207.9	214.2	270.3	334.1	435.9	486.7	1455.0	4034.5	4143.7	3401.7	2601.1
72.5°	73.7	74.1	116.8	270.3	473.9	492.0	730.7	2957.7	3038.4	2602.2	1875.3
75°	43.7	37.3	38.9	76.9	452.9	477.8	421.5	1889.9	1920.1	1491.1	949.7
77.5°	30.2	26.3	27.1	34.0	172.5	471.1	334.9	985.6	953.4	522.9	202.3
80°	17.2	15.2	16.2	29.8	62.8	439.5	315.8	399.6	340.7	88.7	55.9
82.5°	9.1	7.7	9.3	24.5	43.7	273.9	316.4	193.1	153.1	30.0	38.1
85°	3.2	2.6	4.5	16.8	29.2	84.0	293.4	162.4	127.5	14.6	29.0
87.5°	0.6	0.6	1.8	6.9	11.7	25.7	173.5	96.4	64.6	8.7	19.8
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°	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5	765.5
2.5°	763.1	754.3	742.6	728.2	711.2	696.2	685.1	673.6	671.1	667.1	666.5
5°	758.0	743.0	713.9	680.5	644.8	612.6	586.5	563.2	552.9	544.0	543.0
7.5°	750.5	728.0	678.4	624.6	568.9	518.3	475.4	445.0	417.1	403.7	401.7
10°	741.8	709.6	638.5	563.8	486.9	415.4	351.7	298.2	265.8	246.6	244.2
12.5°	733.7	691.6	597.9	500.9	398.6	303.1	221.1	170.1	136.0	122.3	120.7
15°	729.9	677.0	559.8	436.5	306.3	192.9	120.9	93.5	82.4	79.2	79.0
17.5°	729.4	664.7	522.5	369.9	214.6	112.2	78.8	71.9	69.6	68.8	68.8
20°	729.2	652.9	485.3	300.8	136.3	74.7	65.6	64.0	62.4	61.3	61.3
22.5°	731.5	642.4	446.4	230.4	85.8	60.5	57.7	56.1	54.1	52.6	52.4
25°	733.7	634.3	406.7	164.0	62.2	52.6	49.8	47.6	44.7	42.9	42.7
27.5°	734.1	624.2	364.2	109.7	52.0	46.0	42.3	38.9	35.6	33.8	33.6
30°	728.0	607.2	317.0	74.1	46.0	39.9	35.0	31.4	28.3	26.9	26.9
32.5°	716.1	586.1	265.2	55.9	40.9	34.2	29.0	25.5	23.5	22.9	22.7
35°	705.4	563.4	212.0	47.4	36.6	29.0	23.7	21.5	20.2	20.0	19.8
37.5°	699.1	545.2	162.0	42.9	32.6	24.3	20.0	18.4	17.8	17.4	17.6
40°	703.9	530.0	119.7	39.3	28.5	20.2	17.0	16.2	15.6	15.4	15.4
42.5°	725.2	527.4	88.9	36.0	24.7	16.8	14.8	14.2	13.8	13.6	13.8
45°	781.1	543.6	69.0	33.0	20.9	14.2	12.6	12.3	12.1	12.1	12.1
47.5°	865.1	577.0	57.5	29.6	17.4	12.1	10.9	10.7	10.5	10.7	10.7
50°	1007.4	638.1	51.4	26.1	14.4	10.3	9.3	9.3	9.3	9.3	9.5
52.5°	1223.8	758.4	47.4	22.7	11.7	8.7	7.9	7.9	8.1	8.1	8.3
55°	1465.0	917.9	43.7	19.2	9.9	7.3	6.5	6.7	6.9	7.1	7.1
57.5°	1726.5	1094.7	40.7	15.8	8.5	5.9	5.5	5.7	5.9	6.3	6.3
60°	2042.2	1286.0	36.2	12.3	7.1	4.7	4.3	4.7	5.3	5.7	5.9
62.5°	2388.8	1471.0	30.6	9.7	5.9	3.6	3.4	4.3	5.1	5.5	5.7
65°	2625.6	1529.1	23.5	7.9	4.5	2.6	2.8	3.8	4.9	5.5	5.5
67°	2529.7	1386.4	19.2	6.7	3.6	2.0	2.6	3.8	4.9	5.3	5.5
67.5°	2463.1	1330.5	18.4	6.5	3.4	2.0	2.6	3.8	4.9	5.5	5.5
70°	2004.1	999.5	15.4	4.9	2.8	1.8	2.2	3.6	4.7	5.3	5.3
72.5°	1392.5	616.3	13.8	3.4	2.4	1.6	2.0	3.4	4.5	5.1	5.3
75°	662.0	223.1	11.7	2.6	2.2	1.4	1.8	3.4	4.5	5.1	5.1
77.5°	135.0	51.8	9.5	2.2	1.8	1.4	1.6	3.2	4.3	4.9	4.9
80°	44.3	20.0	7.1	2.0	1.8	1.4	1.6	3.0	4.3	4.7	4.9
82.5°	32.0	10.1	4.7	2.0	1.8	1.4	1.4	3.0	4.0	4.7	4.7
85°	24.5	7.1	3.0	2.0	1.8	1.4	1.4	2.8	3.8	4.5	4.5
87.5°	16.2	2.8	2.4	2.0	1.8	1.4	1.4	2.8	3.6	4.3	4.5
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)