

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: P200591

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200591
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-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 4296 lumens
Efficiency: N/A
Efficacy: 72.8 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): 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

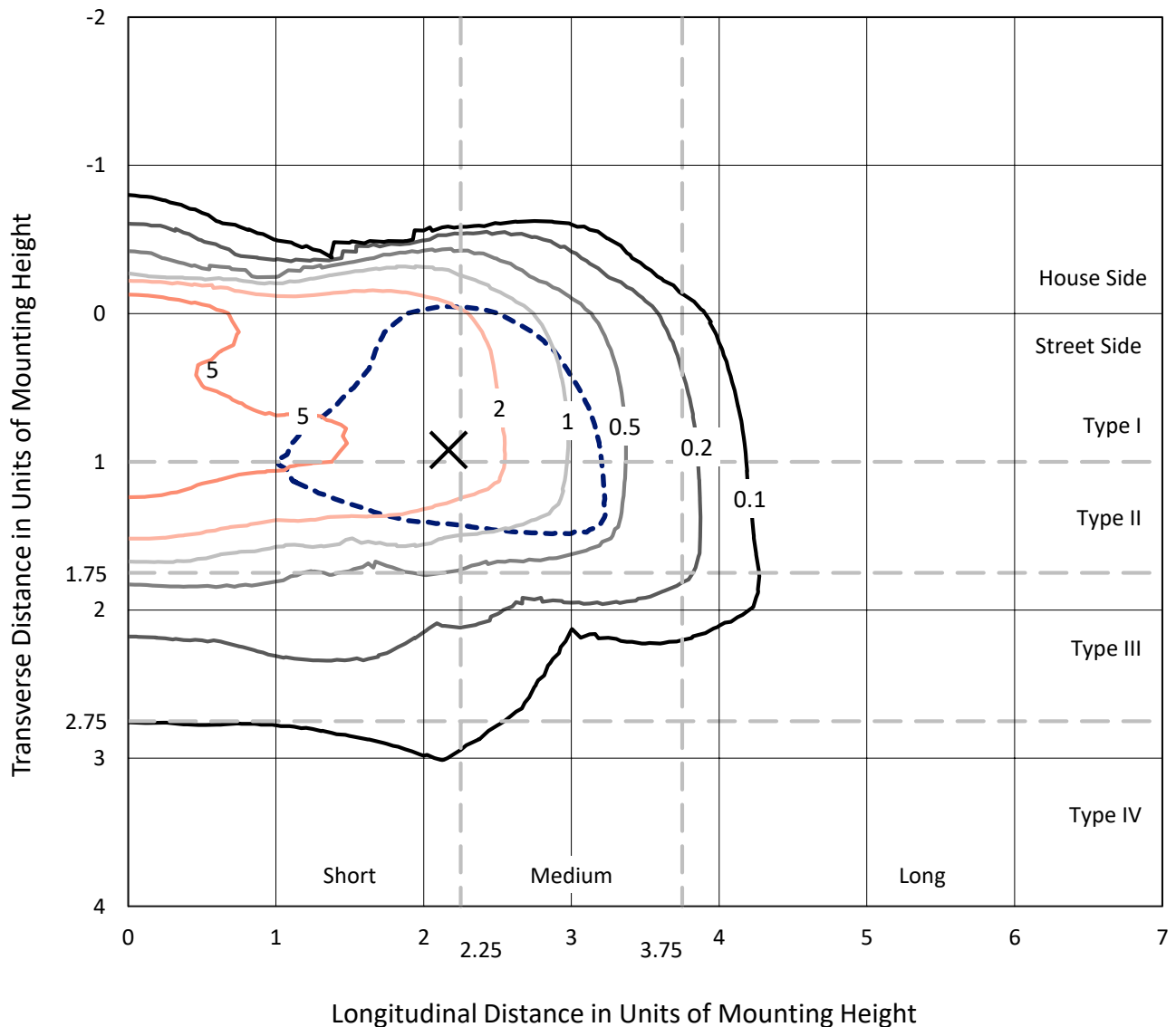


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Iso-Footcandle Lines of Horizontal Illumination

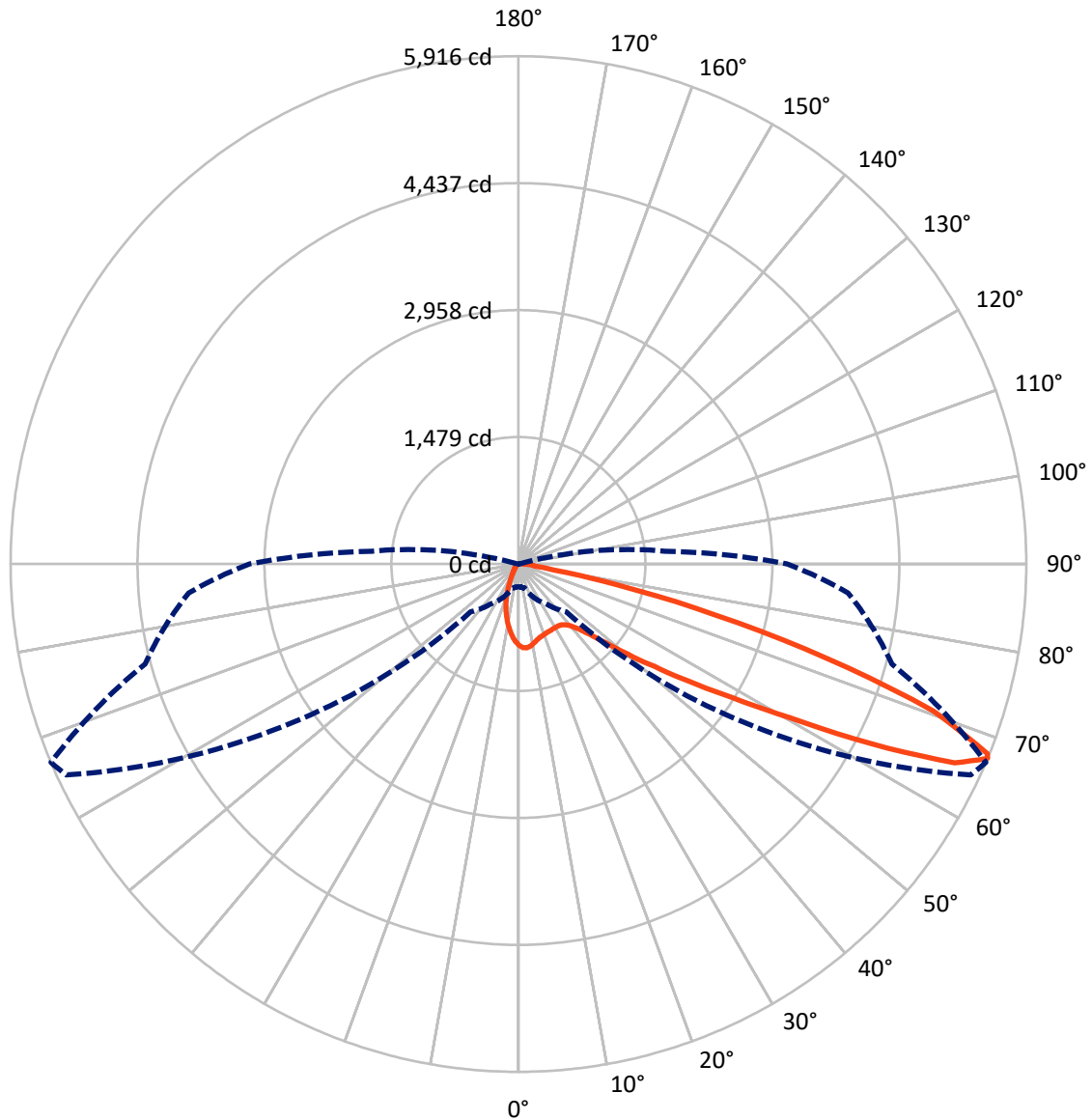
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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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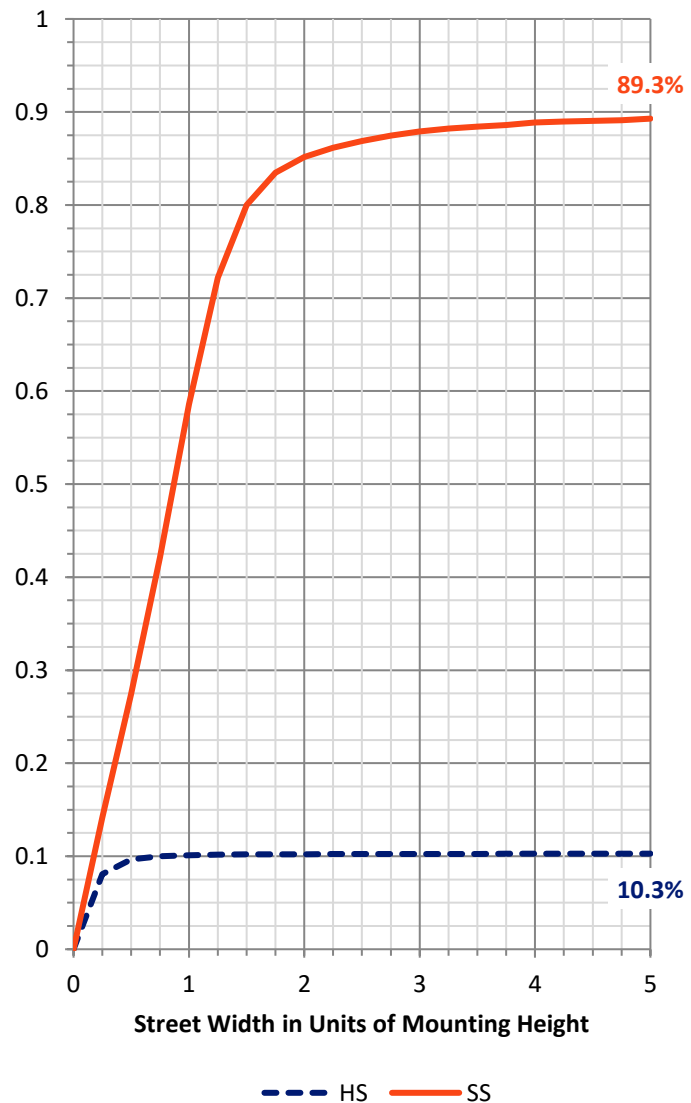
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.1	0.0	446.1
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	3849.9	0.0	3849.9
	% Fixture	89.6	0.0	89.6
Total	Lumens	4296.0	0.0	4296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.8
10°-20°	164.1	3.8
20°-30°	238.6	5.6
30°-40°	372.2	8.7
40°-50°	659.2	15.3
50°-60°	1043.2	24.3
60°-70°	1194.9	27.8
70°-80°	495.6	11.5
80°-90°	51.2	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°	4296.0	100.0
0°-180°	4296.0	100.0

Coefficient of Utilization



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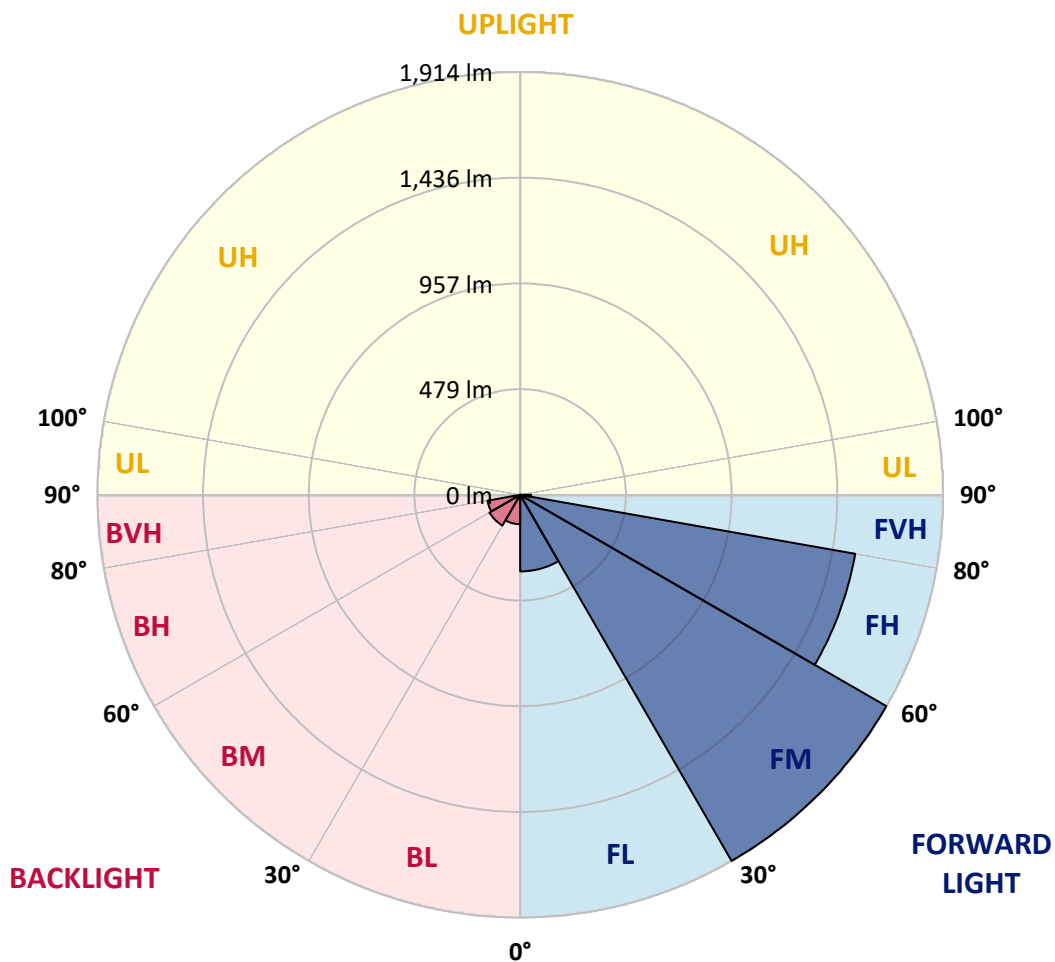
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.6	8.1			
FM	(30°-60°)	1914.3	44.6			
FH	(60°-80°)	1540.1	35.9			G1/1800
FVH	(80°-90°)	48.9	1.1			G1/100
BL	(0°-30°)	133.1	3.1	B1/500		
BM	(30°-60°)	160.3	3.7	B0/220		
BH	(60°-80°)	150.4	3.5	B1/500		G1/500
BVH	(80°-90°)	2.3	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°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	979.5	981.5	981.3	982.8	986.3	986.5	983.0	976.2	974.7	966.0	950.7
5°	903.3	909.1	912.6	926.9	942.9	962.2	976.7	982.0	981.3	975.0	951.9
7.5°	816.4	822.1	826.1	842.9	864.2	897.3	935.1	966.2	969.0	975.7	950.9
10°	758.5	759.5	765.0	781.0	803.3	837.2	882.3	936.7	944.9	969.7	948.4
12.5°	710.9	711.6	718.9	736.2	760.0	794.1	841.4	904.3	917.1	962.2	947.9
15°	677.1	679.8	686.3	704.4	729.7	763.5	812.1	880.5	895.8	959.5	952.4
17.5°	665.8	668.8	670.8	683.8	706.9	739.9	789.8	865.0	882.3	961.0	961.2
20°	677.6	679.8	675.3	678.6	692.8	722.4	771.0	851.7	872.3	962.7	972.5
22.5°	721.4	722.4	710.1	695.8	693.3	709.6	756.2	841.2	863.2	967.5	985.8
25°	796.6	794.8	774.8	744.0	714.9	707.4	747.5	834.7	858.7	972.5	999.5
27.5°	887.3	889.8	862.2	817.4	762.0	722.4	746.2	831.9	856.7	976.0	1011.6
30°	997.5	1001.0	969.5	913.1	833.7	759.5	757.7	831.4	855.5	973.7	1012.6
32.5°	1110.1	1114.3	1089.5	1031.4	929.4	821.6	783.8	836.9	858.0	966.0	1006.8
35°	1227.8	1233.8	1217.3	1167.4	1059.2	911.3	829.7	853.7	869.7	965.2	1001.0
37.5°	1390.4	1396.0	1364.9	1312.0	1216.3	1031.6	903.3	885.3	897.6	977.2	1002.6
40°	1633.3	1632.5	1552.3	1471.4	1388.9	1184.5	1006.8	942.4	948.7	1013.6	1021.1
42.5°	1897.9	1896.6	1778.1	1655.1	1580.6	1372.7	1142.9	1041.1	1036.9	1080.5	1069.2
45°	2101.8	2101.6	2004.9	1866.3	1811.4	1588.6	1318.8	1178.5	1171.9	1189.2	1157.9
47.5°	2188.8	2190.3	2141.7	2044.2	2067.2	1880.8	1540.5	1377.4	1367.6	1360.6	1313.0
50°	2121.1	2124.1	2128.1	2109.1	2254.9	2273.5	1838.0	1657.8	1653.0	1621.7	1547.3
52.5°	1900.1	1915.4	1962.5	2022.9	2320.1	2650.3	2304.3	2006.1	1980.6	1947.2	1865.3
55°	1527.8	1544.5	1634.0	1780.6	2223.1	2897.9	2957.8	2455.1	2412.5	2313.1	2194.8
57.5°	1011.1	1037.1	1166.9	1353.4	1941.5	2937.7	3609.8	3078.3	2930.0	2657.6	2524.3
60°	557.0	582.1	722.9	891.8	1402.2	2740.8	4048.3	3889.7	3627.6	3042.7	2924.5
62.5°	343.0	356.6	460.6	617.7	840.9	2163.2	4139.0	4909.3	4605.8	3538.6	3407.8
65°	273.1	278.9	329.8	504.9	602.9	1286.7	3846.1	5686.6	5585.3	4139.0	3840.6
67°	265.1	267.4	291.4	433.5	568.3	788.8	3222.2	5813.1	5915.8	4502.3	3854.1
67.5°	266.9	269.4	292.2	413.7	567.3	724.9	3007.2	5763.2	5893.0	4531.2	3794.2
70°	257.3	265.1	334.5	413.4	539.5	602.4	1800.9	4993.5	5128.5	4210.2	3219.4
72.5°	91.2	91.7	144.6	334.5	586.6	608.9	904.3	3660.7	3760.6	3220.6	2321.1
75°	54.1	46.1	48.1	95.2	560.5	591.4	521.7	2339.1	2376.5	1845.5	1175.5
77.5°	37.3	32.6	33.6	42.1	213.5	583.1	414.5	1219.8	1180.0	647.2	250.3
80°	21.3	18.8	20.0	36.8	77.7	544.0	390.9	494.6	421.7	109.8	69.2
82.5°	11.3	9.5	11.5	30.3	54.1	339.0	391.6	239.0	189.4	37.1	47.1
85°	4.0	3.3	5.5	20.8	36.1	104.0	363.1	201.0	157.9	18.0	35.8
87.5°	0.8	0.8	2.3	8.5	14.5	31.8	214.7	119.3	79.9	10.8	24.6
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°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	944.4	933.6	919.1	901.3	880.3	861.7	847.9	833.7	830.7	825.6	824.9
5°	938.2	919.6	883.5	842.2	798.1	758.2	725.9	697.1	684.3	673.3	672.0
7.5°	928.9	901.1	839.7	773.0	704.1	641.5	588.4	550.8	516.2	499.6	497.1
10°	918.1	878.3	790.3	697.9	602.6	514.2	435.2	369.1	329.0	305.2	302.2
12.5°	908.1	856.0	739.9	619.9	493.4	375.1	273.6	210.5	168.4	151.3	149.3
15°	903.3	837.9	692.8	540.2	379.1	238.8	149.6	115.8	102.0	98.0	97.7
17.5°	902.8	822.6	646.7	457.8	265.6	138.8	97.5	89.0	86.2	85.2	85.2
20°	902.6	808.1	600.6	372.4	168.6	92.5	81.2	79.2	77.2	75.9	75.9
22.5°	905.3	795.1	552.5	285.2	106.2	74.9	71.4	69.4	66.9	65.1	64.9
25°	908.1	785.1	503.4	203.0	76.9	65.1	61.6	58.9	55.4	53.1	52.9
27.5°	908.6	772.5	450.8	135.8	64.4	56.9	52.4	48.1	44.1	41.8	41.6
30°	901.1	751.5	392.4	91.7	56.9	49.4	43.3	38.8	35.1	33.3	33.3
32.5°	886.3	725.4	328.3	69.2	50.6	42.3	35.8	31.6	29.1	28.3	28.1
35°	873.0	697.4	262.4	58.6	45.4	35.8	29.3	26.6	25.1	24.8	24.6
37.5°	865.2	674.8	200.5	53.1	40.3	30.1	24.8	22.8	22.1	21.5	21.8
40°	871.3	656.0	148.1	48.6	35.3	25.1	21.0	20.0	19.3	19.0	19.0
42.5°	897.6	652.7	110.0	44.6	30.6	20.8	18.3	17.5	17.0	16.8	17.0
45°	966.7	672.8	85.4	40.8	25.8	17.5	15.5	15.3	15.0	15.0	15.0
47.5°	1070.7	714.1	71.2	36.6	21.5	15.0	13.5	13.3	13.0	13.3	13.3
50°	1246.9	789.8	63.6	32.3	17.8	12.8	11.5	11.5	11.5	11.5	11.8
52.5°	1514.7	938.7	58.6	28.1	14.5	10.8	9.8	9.8	10.0	10.0	10.3
55°	1813.2	1136.1	54.1	23.8	12.3	9.0	8.0	8.3	8.5	8.8	8.8
57.5°	2136.9	1354.9	50.4	19.5	10.5	7.3	6.8	7.0	7.3	7.8	7.8
60°	2527.6	1591.7	44.9	15.3	8.8	5.8	5.3	5.8	6.5	7.0	7.3
62.5°	2956.5	1820.7	37.8	12.0	7.3	4.5	4.3	5.3	6.3	6.8	7.0
65°	3249.7	1892.6	29.1	9.8	5.5	3.3	3.5	4.8	6.0	6.8	6.8
67°	3130.9	1715.9	23.8	8.3	4.5	2.5	3.3	4.8	6.0	6.5	6.8
67.5°	3048.5	1646.8	22.8	8.0	4.3	2.5	3.3	4.8	6.0	6.8	6.8
70°	2480.4	1237.1	19.0	6.0	3.5	2.3	2.8	4.5	5.8	6.5	6.5
72.5°	1723.5	762.8	17.0	4.3	3.0	2.0	2.5	4.3	5.5	6.3	6.5
75°	819.4	276.1	14.5	3.3	2.8	1.8	2.3	4.3	5.5	6.3	6.3
77.5°	167.1	64.1	11.8	2.8	2.3	1.8	2.0	4.0	5.3	6.0	6.0
80°	54.9	24.8	8.8	2.5	2.3	1.8	2.0	3.8	5.3	5.8	6.0
82.5°	39.6	12.5	5.8	2.5	2.3	1.8	1.8	3.8	5.0	5.8	5.8
85°	30.3	8.8	3.8	2.5	2.3	1.8	1.8	3.5	4.8	5.5	5.5
87.5°	20.0	3.5	3.0	2.5	2.3	1.8	1.8	3.5	4.5	5.3	5.5
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)