

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: P199949

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-7030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199949
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-SL2-7030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 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: 4114.7 lumens
Efficiency: N/A
Efficacy: 93.5 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

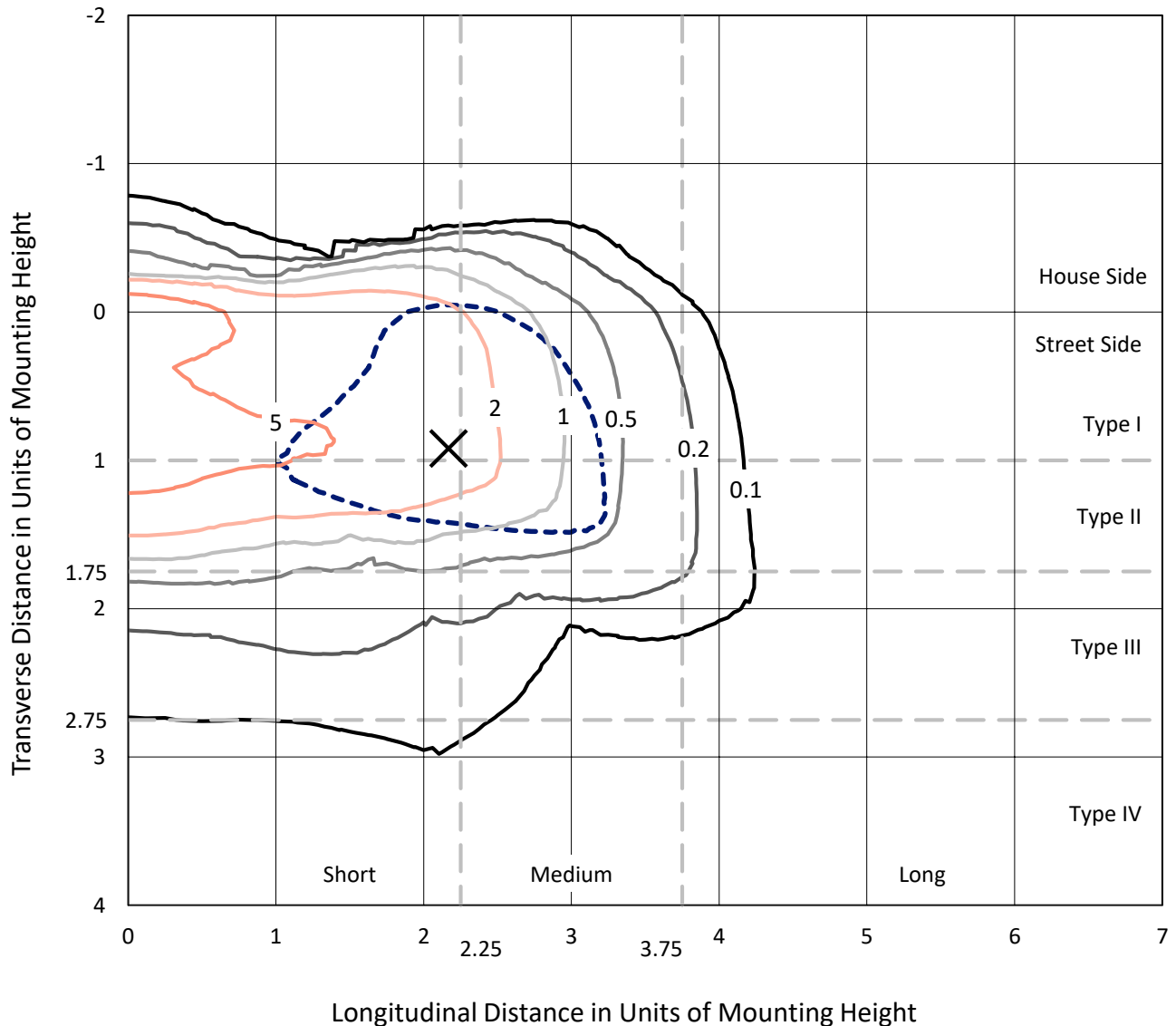


REPORT NUMBER: P199949

CATALOG NUMBER: GPC-AF-01-LED-E1-SL2-7030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

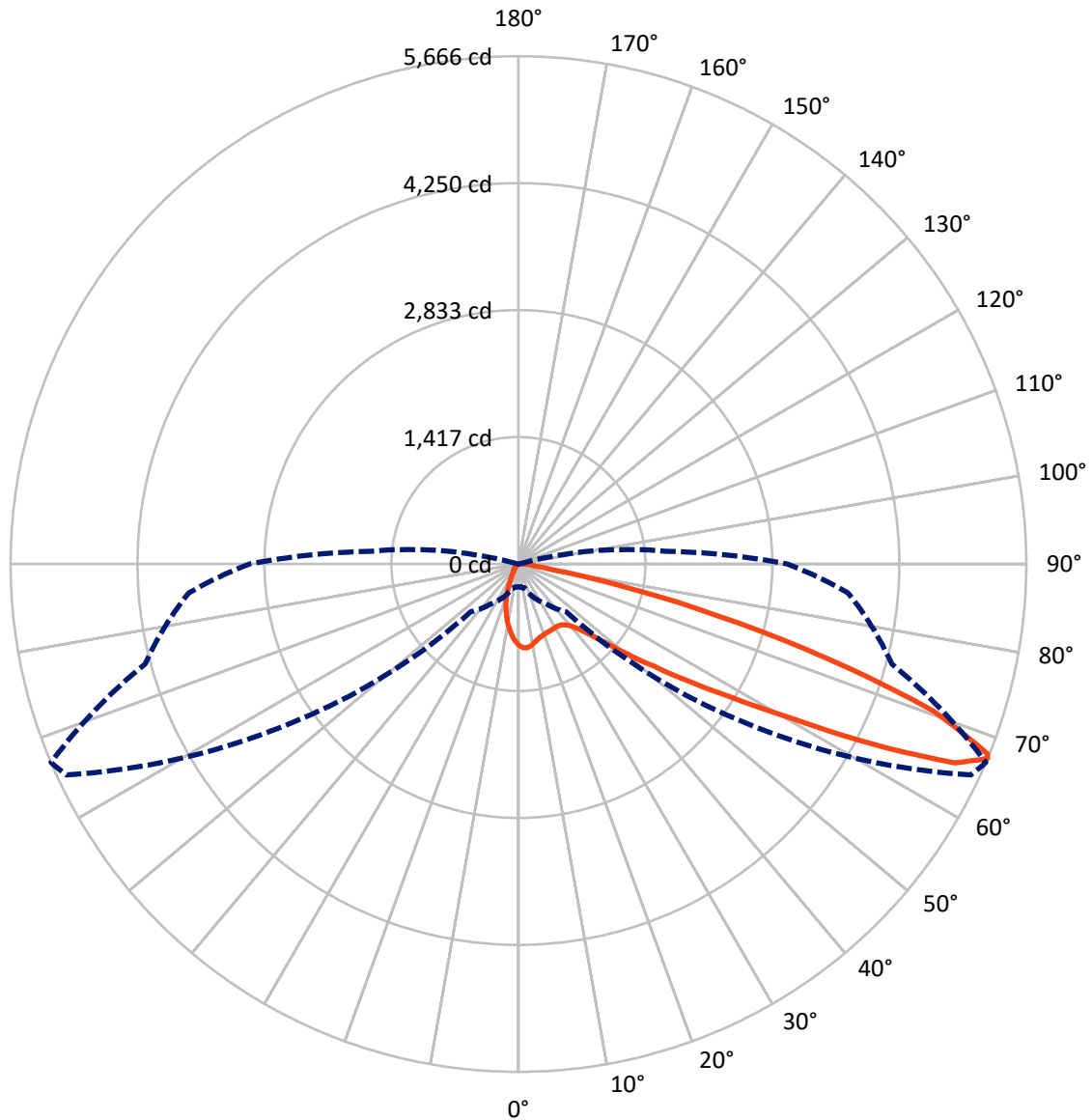


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P199949

CATALOG NUMBER: GPC-AF-01-LED-E1-SL2-7030-800-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P199949

CATALOG NUMBER: GPC-AF-01-LED-E1-SL2-7030-800-HSS

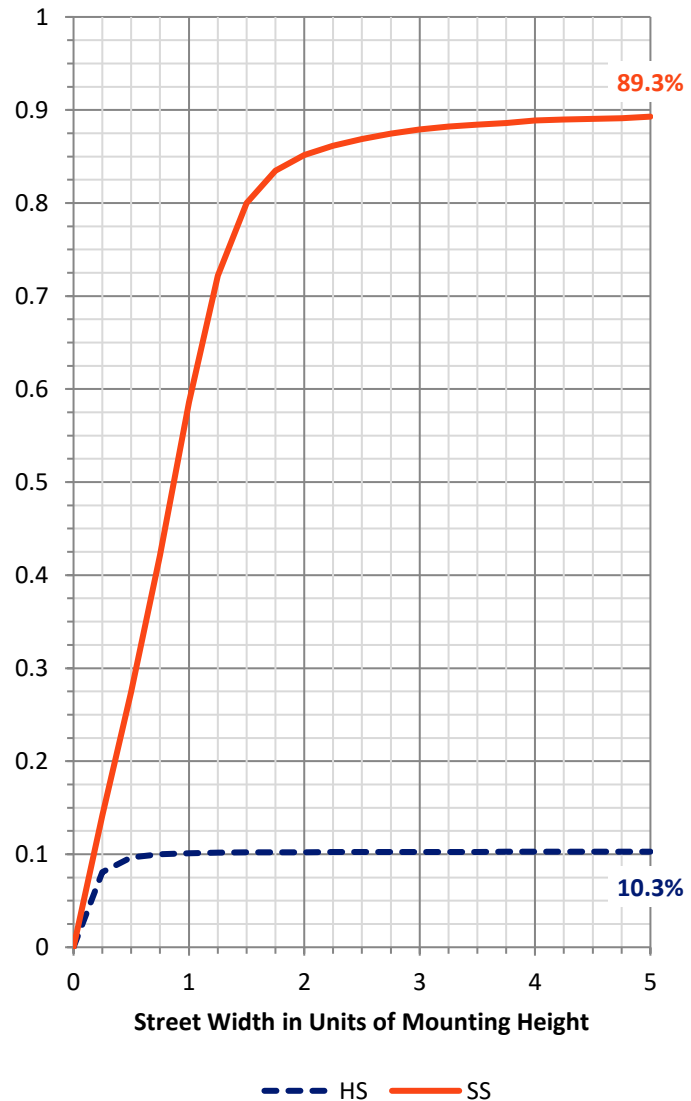
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	427.2	0.0	427.2
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	3687.5	0.0	3687.5
	% Fixture	89.6	0.0	89.6
Total	Lumens	4114.7	0.0	4114.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.8
10°-20°	157.2	3.8
20°-30°	228.5	5.6
30°-40°	356.5	8.7
40°-50°	631.4	15.3
50°-60°	999.2	24.3
60°-70°	1144.4	27.8
70°-80°	474.7	11.5
80°-90°	49.0	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°	4114.7	100.0
0°-180°	4114.7	100.0

Coefficient of Utilization



REPORT NUMBER: P199949

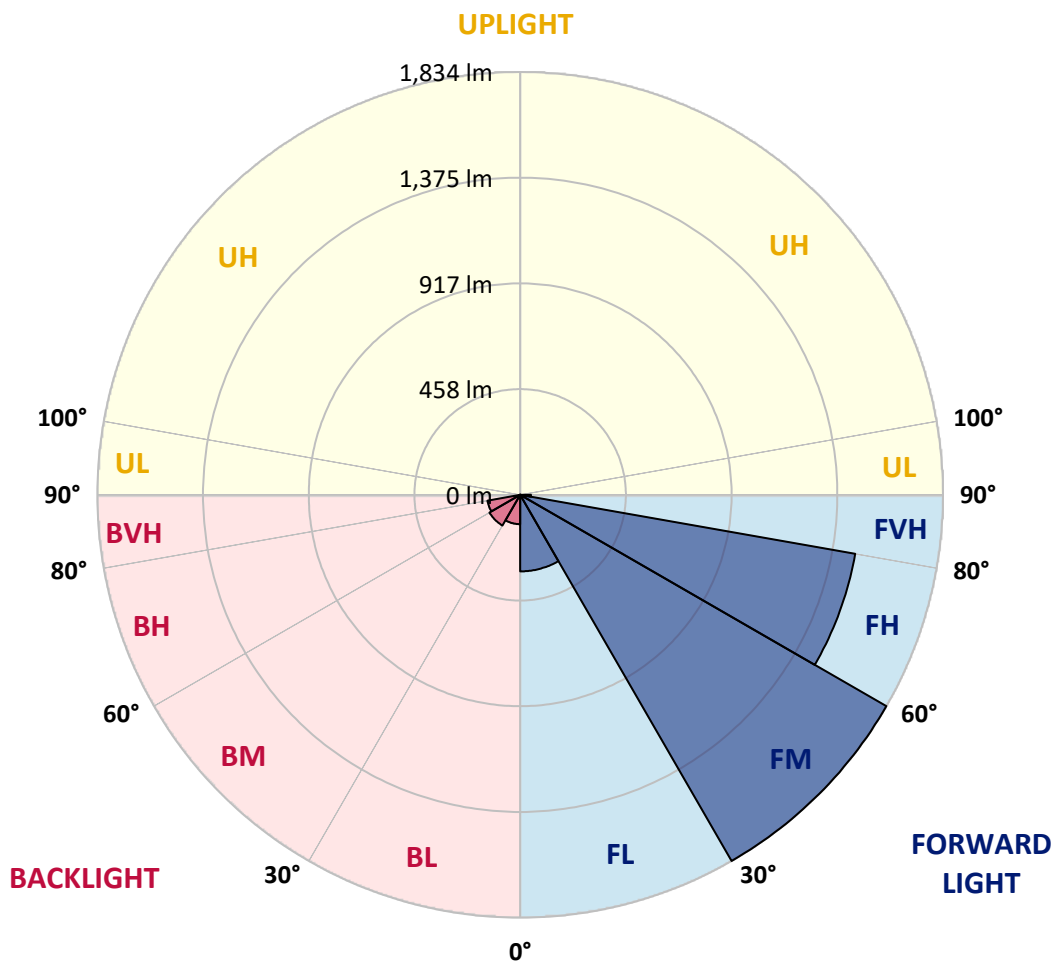
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.0	8.1			
FM (30°-60°)	1833.5	44.6			
FH (60°-80°)	1475.1	35.9			G1/1800
FVH (80°-90°)	46.8	1.1			G1/100
BL (0°-30°)	127.5	3.1	B1/500		
BM (30°-60°)	153.5	3.7	B0/220		
BH (60°-80°)	144.0	3.5	B1/500		G1/500
BVH (80°-90°)	2.2	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





REPORT NUMBER: P199949

CATALOG NUMBER: GPC-AF-01-LED-E1-SL2-7030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	938.2	940.0	939.8	941.3	944.6	944.9	941.5	935.0	933.6	925.2	910.5
5°	865.3	870.7	874.1	887.7	903.1	921.6	935.5	940.6	939.8	933.8	911.8
7.5°	782.0	787.4	791.2	807.3	827.7	859.5	895.7	925.4	928.0	934.6	910.7
10°	726.5	727.4	732.7	748.1	769.4	801.9	845.0	897.1	905.0	928.8	908.4
12.5°	680.9	681.6	688.6	705.2	727.8	760.6	805.9	866.2	878.5	921.6	908.0
15°	648.5	651.0	657.4	674.6	698.9	731.3	777.8	843.4	858.0	919.0	912.2
17.5°	637.6	640.6	642.5	655.0	677.1	708.8	756.5	828.5	845.0	920.4	920.6
20°	649.0	651.0	646.9	649.9	663.6	691.9	738.5	815.7	835.4	922.0	931.4
22.5°	690.9	691.9	680.1	666.5	664.1	679.7	724.3	805.7	826.8	926.6	944.2
25°	762.9	761.3	742.1	712.6	684.7	677.5	715.9	799.4	822.5	931.4	957.3
27.5°	849.8	852.2	825.9	782.9	729.9	691.9	714.8	796.8	820.5	934.8	968.9
30°	955.5	958.7	928.6	874.5	798.4	727.4	725.8	796.3	819.3	932.6	969.9
32.5°	1063.2	1067.3	1043.5	987.8	890.1	787.0	750.7	801.6	821.7	925.2	964.3
35°	1175.9	1181.7	1165.9	1118.2	1014.5	872.9	794.7	817.7	833.0	924.5	958.7
37.5°	1331.8	1337.0	1307.3	1256.7	1164.9	988.0	865.3	848.0	859.7	936.1	960.3
40°	1564.4	1563.6	1486.8	1409.3	1330.3	1134.4	964.3	902.6	908.6	970.8	978.0
42.5°	1817.7	1816.6	1703.1	1585.3	1513.9	1314.7	1094.7	997.2	993.1	1034.9	1024.1
45°	2013.1	2012.9	1920.2	1787.5	1734.9	1521.7	1263.1	1128.7	1122.5	1139.0	1109.1
47.5°	2096.3	2097.9	2051.4	1957.9	1980.0	1801.4	1475.5	1319.3	1309.9	1303.3	1257.6
50°	2031.5	2034.5	2038.3	2020.1	2159.7	2177.5	1760.3	1587.9	1583.2	1553.3	1482.0
52.5°	1819.9	1834.6	1879.7	1937.5	2222.3	2538.5	2207.0	1921.5	1897.0	1865.0	1786.6
55°	1463.3	1479.4	1565.0	1705.4	2129.3	2775.6	2833.0	2351.5	2310.8	2215.4	2102.1
57.5°	968.4	993.3	1117.7	1296.3	1859.5	2813.8	3457.5	2948.4	2806.4	2545.4	2417.8
60°	533.5	557.6	692.3	854.2	1343.1	2625.2	3877.5	3725.5	3474.5	2914.4	2801.1
62.5°	328.6	341.6	441.1	591.6	805.5	2071.9	3964.4	4702.1	4411.5	3389.3	3264.0
65°	261.5	267.1	315.9	483.6	577.4	1232.5	3683.7	5446.6	5349.7	3964.4	3678.5
67°	253.9	256.1	279.1	415.1	544.3	755.5	3086.1	5567.8	5666.1	4312.4	3691.5
67.5°	255.5	258.0	279.8	396.3	543.3	694.4	2880.3	5520.0	5644.4	4339.9	3634.1
70°	246.5	253.9	320.3	395.9	516.7	577.0	1724.8	4782.8	4912.1	4032.5	3083.6
72.5°	87.4	87.9	138.4	320.3	561.8	583.2	866.2	3506.1	3602.0	3084.7	2223.1
75°	51.8	44.1	46.1	91.2	536.9	566.4	499.7	2240.4	2276.2	1767.6	1125.8
77.5°	35.7	31.2	32.1	40.3	204.6	558.6	396.9	1168.3	1130.2	619.9	239.8
80°	20.4	18.0	19.2	35.3	74.4	521.0	374.4	473.7	403.9	105.1	66.2
82.5°	10.8	9.1	11.0	29.1	51.8	324.7	375.1	229.0	181.5	35.5	45.2
85°	3.9	3.2	5.3	19.8	34.5	99.7	347.8	192.6	151.3	17.3	34.3
87.5°	0.8	0.8	2.1	8.2	13.8	30.5	205.7	114.2	76.6	10.3	23.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P199949

CATALOG NUMBER: GPC-AF-01-LED-E1-SL2-7030-800-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	904.5	894.3	880.3	863.2	843.2	825.4	812.2	798.4	795.6	790.8	790.1
5°	898.5	880.8	846.2	806.7	764.4	726.2	695.3	667.7	655.4	644.8	643.6
7.5°	889.7	863.0	804.2	740.4	674.4	614.4	563.6	527.5	494.4	478.5	476.2
10°	879.3	841.2	756.9	668.4	577.2	492.4	417.0	353.6	315.1	292.3	289.4
12.5°	869.8	819.9	708.8	593.8	472.5	359.3	262.1	201.6	161.2	145.0	143.0
15°	865.3	802.5	663.6	517.5	363.1	228.7	143.2	110.9	97.7	93.9	93.6
17.5°	864.7	788.0	619.4	438.4	254.3	133.0	93.3	85.2	82.6	81.6	81.6
20°	864.5	774.0	575.2	356.6	161.4	88.6	77.8	75.8	74.0	72.7	72.7
22.5°	867.1	761.5	529.3	273.1	101.7	71.8	68.4	66.4	64.0	62.4	62.2
25°	869.8	751.9	482.2	194.4	73.6	62.4	59.0	56.4	53.0	51.0	50.6
27.5°	870.2	739.9	431.8	130.1	61.7	54.5	50.1	46.1	42.3	40.1	39.9
30°	863.0	719.8	375.9	87.9	54.5	47.3	41.5	37.1	33.7	31.9	31.9
32.5°	848.8	694.8	314.4	66.2	48.5	40.5	34.3	30.3	27.9	27.1	26.9
35°	836.2	667.9	251.3	56.2	43.4	34.3	28.1	25.4	24.0	23.7	23.5
37.5°	828.7	646.3	192.0	51.0	38.7	28.9	23.7	21.9	21.1	20.6	20.9
40°	834.5	628.4	141.8	46.6	33.9	24.0	20.2	19.2	18.5	18.2	18.2
42.5°	859.7	625.2	105.3	42.7	29.3	19.8	17.5	16.8	16.3	16.1	16.3
45°	926.0	644.4	81.8	39.2	24.7	16.8	14.9	14.6	14.4	14.4	14.4
47.5°	1025.5	684.0	68.2	35.1	20.6	14.4	13.0	12.7	12.4	12.7	12.7
50°	1194.2	756.5	60.9	30.9	17.1	12.2	11.0	11.0	11.0	11.0	11.3
52.5°	1450.9	899.1	56.2	26.9	13.8	10.3	9.4	9.4	9.7	9.7	9.9
55°	1736.6	1088.1	51.8	22.8	11.8	8.6	7.6	7.8	8.2	8.4	8.4
57.5°	2046.8	1297.7	48.3	18.7	10.1	7.0	6.4	6.8	7.0	7.4	7.4
60°	2420.8	1524.5	42.9	14.6	8.4	5.6	5.0	5.6	6.2	6.8	7.0
62.5°	2831.8	1743.9	36.3	11.5	7.0	4.4	4.1	5.0	6.0	6.4	6.8
65°	3112.6	1812.7	27.9	9.4	5.3	3.2	3.4	4.6	5.8	6.4	6.4
67°	2998.8	1643.5	22.8	7.8	4.4	2.4	3.2	4.6	5.8	6.2	6.4
67.5°	2919.9	1577.2	21.9	7.6	4.1	2.4	3.2	4.6	5.8	6.4	6.4
70°	2375.8	1184.9	18.2	5.8	3.4	2.1	2.6	4.4	5.6	6.2	6.2
72.5°	1650.7	730.6	16.3	4.1	2.8	1.9	2.4	4.1	5.3	6.0	6.2
75°	784.8	264.5	13.8	3.2	2.6	1.6	2.1	4.1	5.3	6.0	6.0
77.5°	160.1	61.4	11.3	2.6	2.1	1.6	1.9	3.9	5.0	5.8	5.8
80°	52.6	23.7	8.4	2.4	2.1	1.6	1.9	3.6	5.0	5.6	5.8
82.5°	37.9	12.0	5.6	2.4	2.1	1.6	1.6	3.6	4.8	5.6	5.6
85°	29.1	8.4	3.6	2.4	2.1	1.6	1.6	3.4	4.6	5.3	5.3
87.5°	19.2	3.4	2.8	2.4	2.1	1.6	1.6	3.4	4.4	5.0	5.3
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)