

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: P269947

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-7027-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269947
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-SL2-7027-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 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: 3014.1 lumens
Efficiency: N/A
Efficacy: 88.7 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

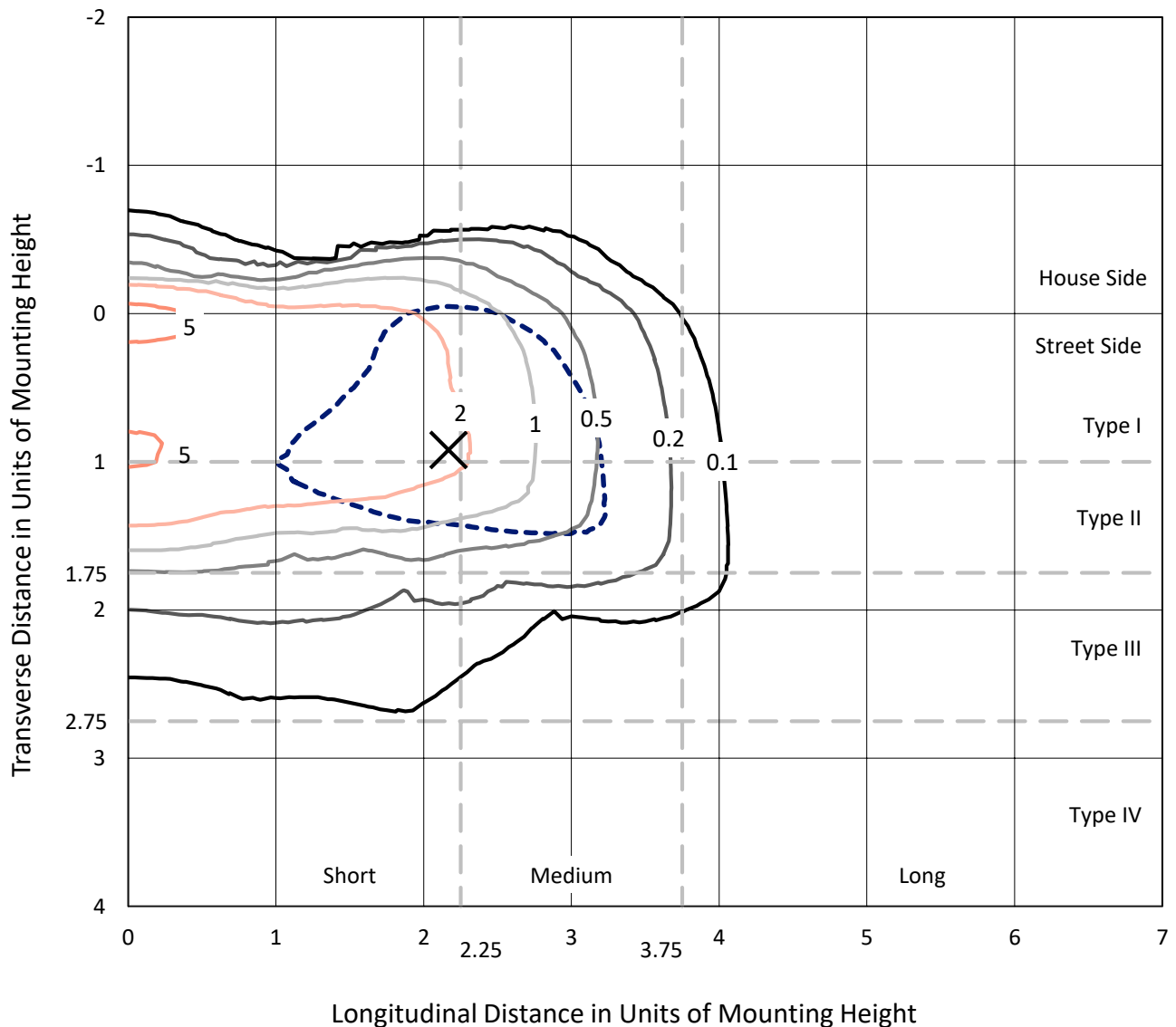


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

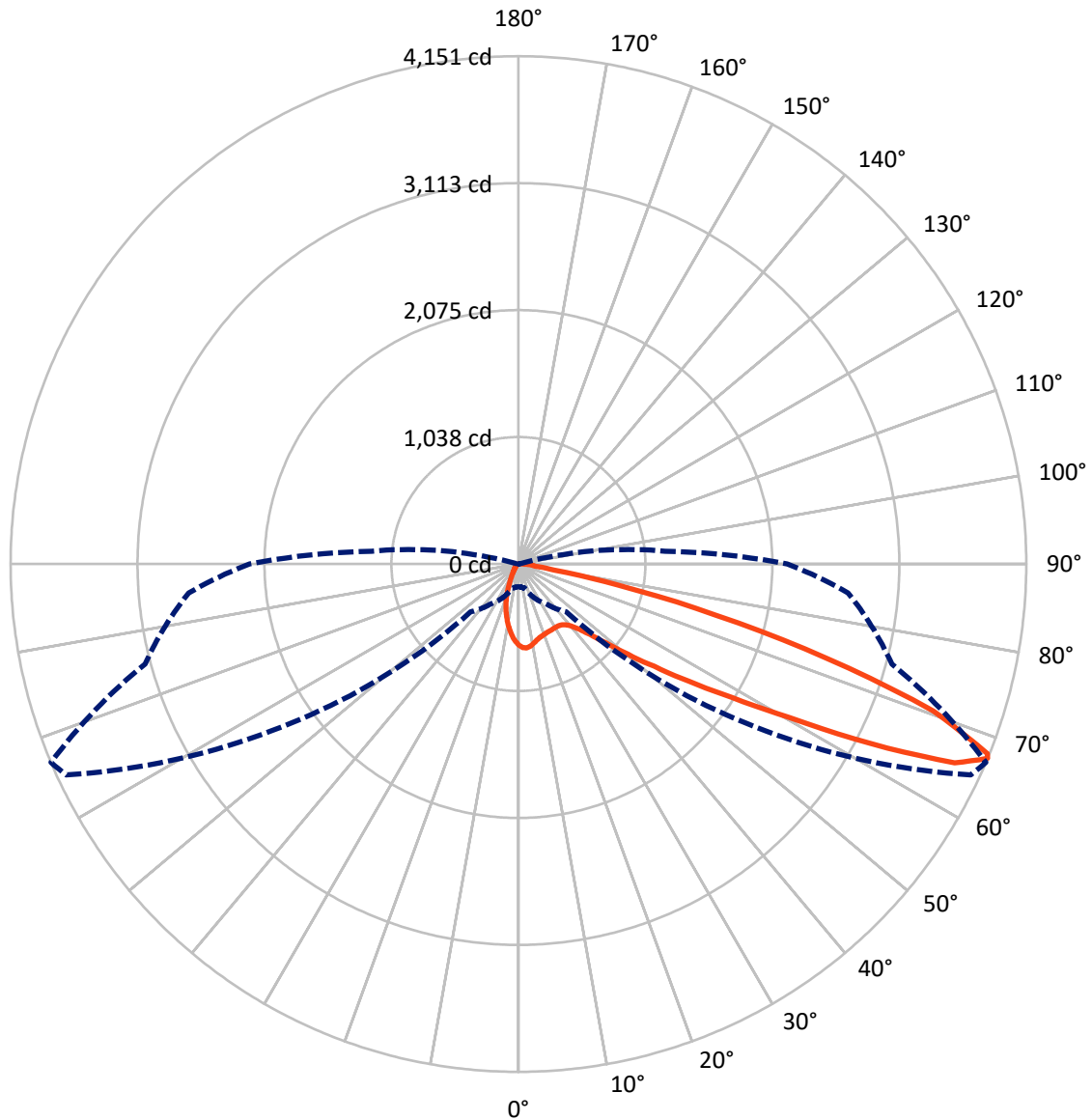


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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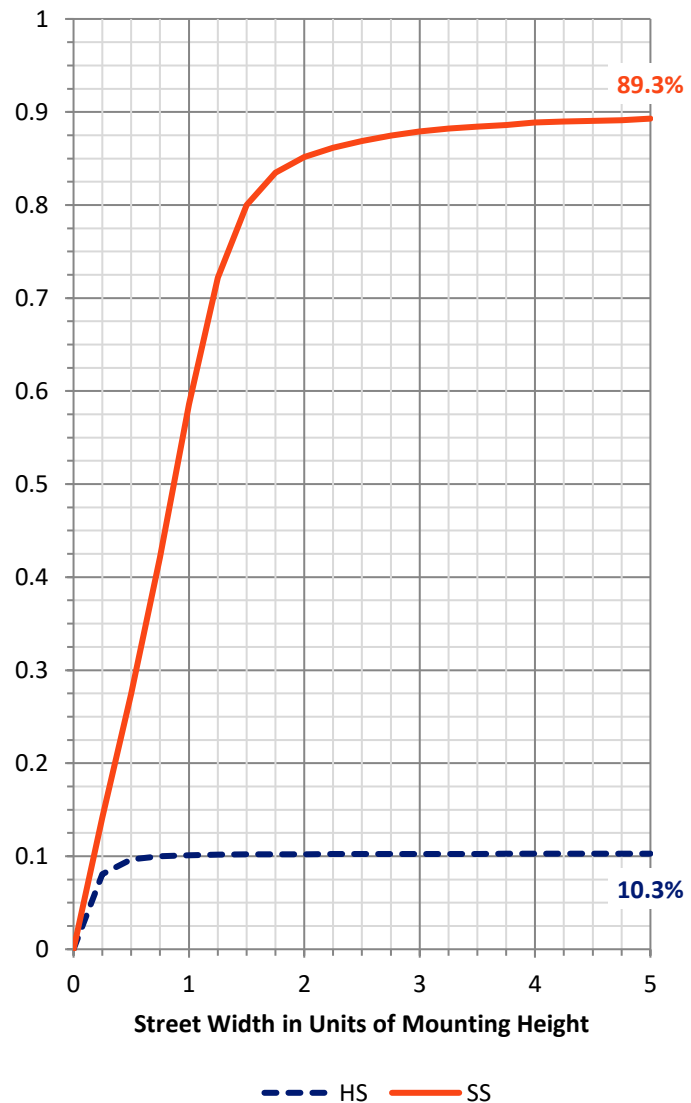
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	312.9	0.0	312.9
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	2701.2	0.0	2701.2
	% Fixture	89.6	0.0	89.6
Total	Lumens	3014.1	0.0	3014.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.8
10°-20°	115.1	3.8
20°-30°	167.4	5.6
30°-40°	261.1	8.7
40°-50°	462.5	15.3
50°-60°	731.9	24.3
60°-70°	838.3	27.8
70°-80°	347.7	11.5
80°-90°	35.9	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°	3014.1	100.0
0°-180°	3014.1	100.0



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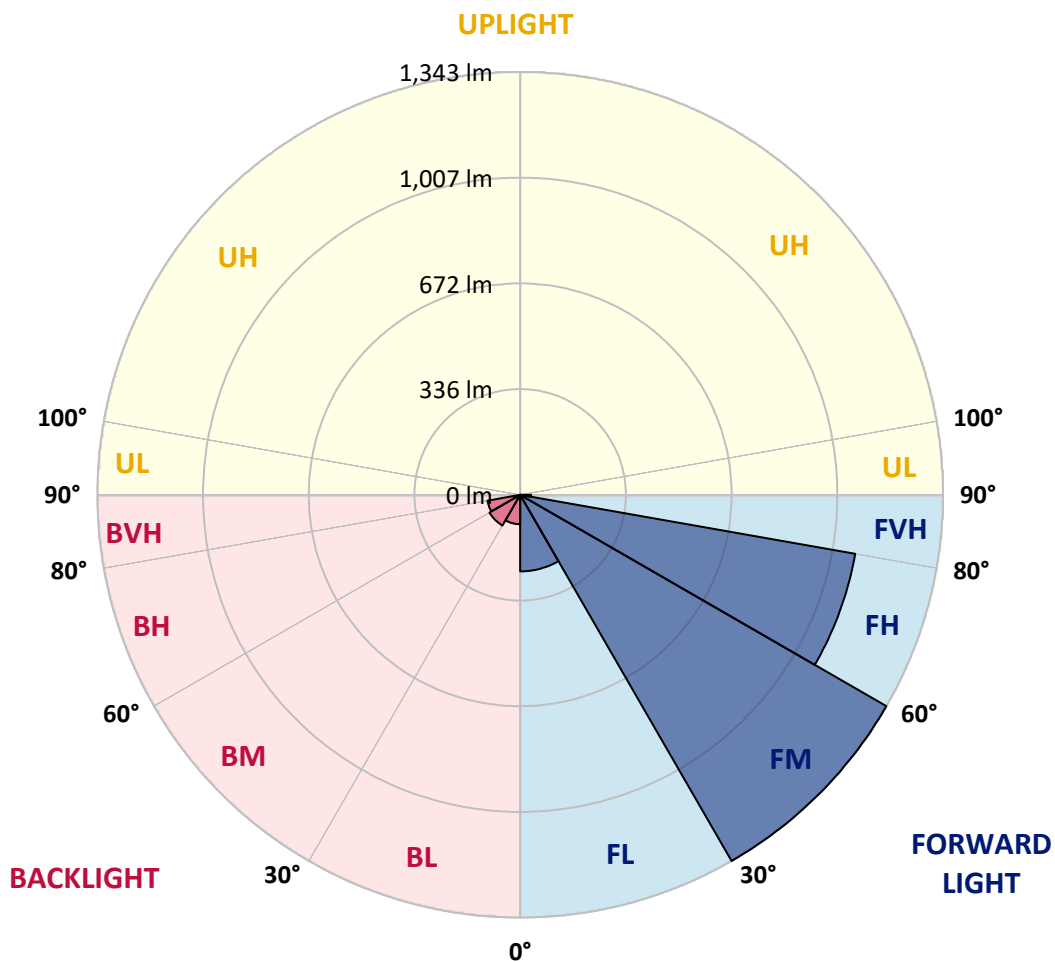
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.2	8.1			
FM (30°-60°)	1343.1	44.6			
FH (60°-80°)	1080.6	35.9			G1/1800
FVH (80°-90°)	34.3	1.1			G1/100
BL (0°-30°)	93.4	3.1	B0/110		
BM (30°-60°)	112.5	3.7	B0/220		
BH (60°-80°)	105.5	3.5	B0/110		G0/110
BVH (80°-90°)	1.6	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°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	687.3	688.6	688.6	689.4	692.0	692.1	689.7	685.0	683.9	677.7	667.0
5°	633.8	637.8	640.3	650.4	661.5	675.0	685.2	689.0	688.6	684.1	667.9
7.5°	572.8	576.8	579.6	591.4	606.4	629.5	656.1	678.0	679.8	684.6	667.3
10°	532.2	532.9	536.7	548.0	563.6	587.4	619.0	657.2	662.9	680.3	665.5
12.5°	498.7	499.3	504.4	516.5	533.2	557.0	590.4	634.6	643.5	675.0	665.0
15°	475.1	477.0	481.5	494.2	511.9	535.7	569.7	617.8	628.5	673.2	668.2
17.5°	467.1	469.3	470.6	479.8	496.0	519.2	554.2	606.9	619.0	674.2	674.4
20°	475.5	477.0	473.8	476.1	486.2	506.9	541.0	597.6	611.9	675.4	682.4
22.5°	506.1	506.9	498.2	488.1	486.4	497.9	530.5	590.1	605.6	678.8	691.6
25°	558.8	557.7	543.7	521.9	501.6	496.4	524.4	585.6	602.6	682.4	701.2
27.5°	622.5	624.3	605.0	573.5	534.6	506.9	523.5	583.7	601.1	684.8	709.8
30°	699.9	702.4	680.1	640.6	584.8	532.9	531.6	583.3	600.2	683.3	710.4
32.5°	778.8	781.9	764.4	723.7	652.1	576.4	549.9	587.2	602.0	677.7	706.3
35°	861.5	865.6	854.1	819.1	743.2	639.5	582.1	599.0	610.2	677.2	702.4
37.5°	975.6	979.4	957.7	920.6	853.4	723.9	633.8	621.1	629.7	685.6	703.5
40°	1145.9	1145.3	1089.1	1032.3	974.5	831.0	706.3	661.2	665.6	711.2	716.4
42.5°	1331.6	1330.7	1247.6	1161.1	1109.0	963.1	801.8	730.5	727.4	758.1	750.2
45°	1474.7	1474.5	1406.7	1309.4	1270.9	1114.5	925.3	826.8	822.3	834.3	812.3
47.5°	1535.7	1536.7	1502.7	1434.2	1450.5	1319.6	1080.9	966.3	959.6	954.5	921.2
50°	1488.2	1490.3	1493.2	1479.8	1582.1	1595.1	1289.5	1163.1	1159.8	1137.9	1085.6
52.5°	1333.2	1343.9	1376.9	1419.3	1627.8	1859.5	1616.7	1407.6	1389.6	1366.2	1308.7
55°	1071.9	1083.6	1146.4	1249.4	1559.7	2033.3	2075.3	1722.6	1692.6	1622.9	1539.9
57.5°	709.4	727.6	818.7	949.6	1362.2	2061.3	2532.7	2159.7	2055.7	1864.6	1771.1
60°	390.9	408.4	507.3	625.7	983.9	1923.0	2840.4	2729.1	2545.2	2134.8	2051.9
62.5°	240.7	250.2	323.1	433.3	589.9	1517.7	2904.0	3444.5	3231.6	2482.7	2391.0
65°	191.6	195.7	231.4	354.2	423.0	902.7	2698.5	3989.7	3918.8	2904.0	2694.6
67°	185.9	187.6	204.5	304.2	398.8	553.4	2260.8	4078.6	4150.6	3158.9	2704.1
67.5°	187.2	189.1	205.1	290.2	397.9	508.6	2109.8	4043.6	4134.5	3179.1	2662.0
70°	180.6	185.9	234.6	290.2	378.5	422.7	1263.6	3503.5	3598.3	2953.8	2258.8
72.5°	64.0	64.4	101.5	234.6	411.6	427.2	634.6	2568.3	2638.5	2259.6	1628.4
75°	38.0	32.3	33.7	66.8	393.3	414.8	366.0	1641.2	1667.3	1294.8	824.7
77.5°	26.2	22.8	23.5	29.6	149.7	409.1	290.8	855.8	827.9	454.2	175.6
80°	14.9	13.1	14.1	25.8	54.4	381.7	274.3	347.0	295.9	77.1	48.5
82.5°	7.9	6.6	8.1	21.3	38.0	238.0	274.8	167.8	132.9	26.1	33.1
85°	2.9	2.2	3.9	14.6	25.3	72.9	254.8	141.0	110.8	12.7	25.2
87.5°	0.4	0.4	1.5	6.0	10.2	22.3	150.6	83.7	56.1	7.5	17.2
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°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	662.6	655.0	644.9	632.3	617.7	604.6	594.9	584.8	582.8	579.2	578.8
5°	658.2	645.3	619.9	590.8	560.0	531.9	509.2	489.0	480.1	472.4	471.5
7.5°	651.7	632.1	589.1	542.3	494.0	450.1	412.9	386.5	362.1	350.6	348.8
10°	644.2	616.1	554.6	489.7	422.8	360.8	305.3	259.0	230.9	214.2	212.0
12.5°	637.1	600.5	519.2	435.0	346.1	263.2	192.0	147.7	118.1	106.2	104.8
15°	633.8	587.9	486.2	379.1	266.0	167.5	104.9	81.2	71.5	68.7	68.6
17.5°	633.5	577.3	453.7	321.2	186.4	97.3	68.5	62.4	60.5	59.7	59.7
20°	633.2	567.0	421.5	261.2	118.3	64.9	57.0	55.5	54.2	53.3	53.3
22.5°	635.2	557.8	387.7	200.1	74.5	52.6	50.1	48.7	46.9	45.8	45.5
25°	637.1	550.8	353.3	142.4	54.0	45.8	43.3	41.3	38.8	37.3	37.1
27.5°	637.4	541.9	316.3	95.3	45.2	40.0	36.7	33.7	30.9	29.4	29.1
30°	632.1	527.2	275.3	64.4	40.0	34.7	30.5	27.3	24.7	23.4	23.4
32.5°	621.8	509.0	230.3	48.5	35.6	29.7	25.2	22.2	20.4	19.9	19.8
35°	612.6	489.2	184.1	41.1	31.8	25.2	20.7	18.7	17.5	17.3	17.2
37.5°	607.1	473.4	140.7	37.3	28.2	21.1	17.3	16.0	15.5	15.1	15.4
40°	611.2	460.2	103.9	34.1	24.9	17.5	14.7	14.1	13.6	13.4	13.4
42.5°	629.7	458.0	77.2	31.4	21.5	14.6	12.8	12.2	11.9	11.8	11.9
45°	678.3	472.0	59.9	28.7	18.1	12.2	10.9	10.7	10.5	10.5	10.5
47.5°	751.3	501.1	49.9	25.7	15.1	10.5	9.5	9.3	9.2	9.3	9.3
50°	874.8	554.2	44.6	22.6	12.4	9.0	8.1	8.1	8.1	8.1	8.3
52.5°	1062.8	658.5	41.1	19.8	10.2	7.5	6.8	6.8	7.0	7.0	7.1
55°	1272.1	797.1	38.0	16.7	8.7	6.3	5.6	5.7	6.0	6.2	6.2
57.5°	1499.4	950.5	35.4	13.7	7.4	5.1	4.8	4.9	5.1	5.5	5.5
60°	1773.3	1116.8	31.5	10.7	6.2	4.0	3.8	4.0	4.6	4.9	5.1
62.5°	2074.4	1277.4	26.5	8.4	5.1	3.1	3.0	3.8	4.4	4.8	4.9
65°	2280.1	1327.9	20.4	6.8	3.9	2.2	2.4	3.4	4.2	4.8	4.8
67°	2196.7	1203.9	16.7	5.7	3.1	1.7	2.2	3.4	4.2	4.6	4.8
67.5°	2138.9	1155.4	16.0	5.6	3.0	1.7	2.2	3.4	4.2	4.8	4.8
70°	1740.3	867.9	13.4	4.2	2.4	1.5	1.9	3.1	4.0	4.6	4.6
72.5°	1209.2	535.2	11.9	3.0	2.1	1.3	1.7	3.0	3.9	4.4	4.6
75°	574.8	193.8	10.2	2.2	1.9	1.3	1.5	3.0	3.9	4.4	4.4
77.5°	117.3	45.0	8.3	1.9	1.5	1.3	1.3	2.9	3.8	4.2	4.2
80°	38.4	17.3	6.2	1.7	1.5	1.3	1.3	2.6	3.8	4.0	4.2
82.5°	27.8	8.9	4.0	1.7	1.5	1.3	1.3	2.6	3.6	4.0	4.0
85°	21.3	6.2	2.6	1.7	1.5	1.3	1.3	2.4	3.4	3.9	3.9
87.5°	14.1	2.4	2.1	1.7	1.5	1.3	1.3	2.4	3.1	3.8	3.9
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)