

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: P269963

Luminaire Tested: **GPC-AF-01-LED-E1-SL4-7027-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
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-SL4-7027-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2954.3 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

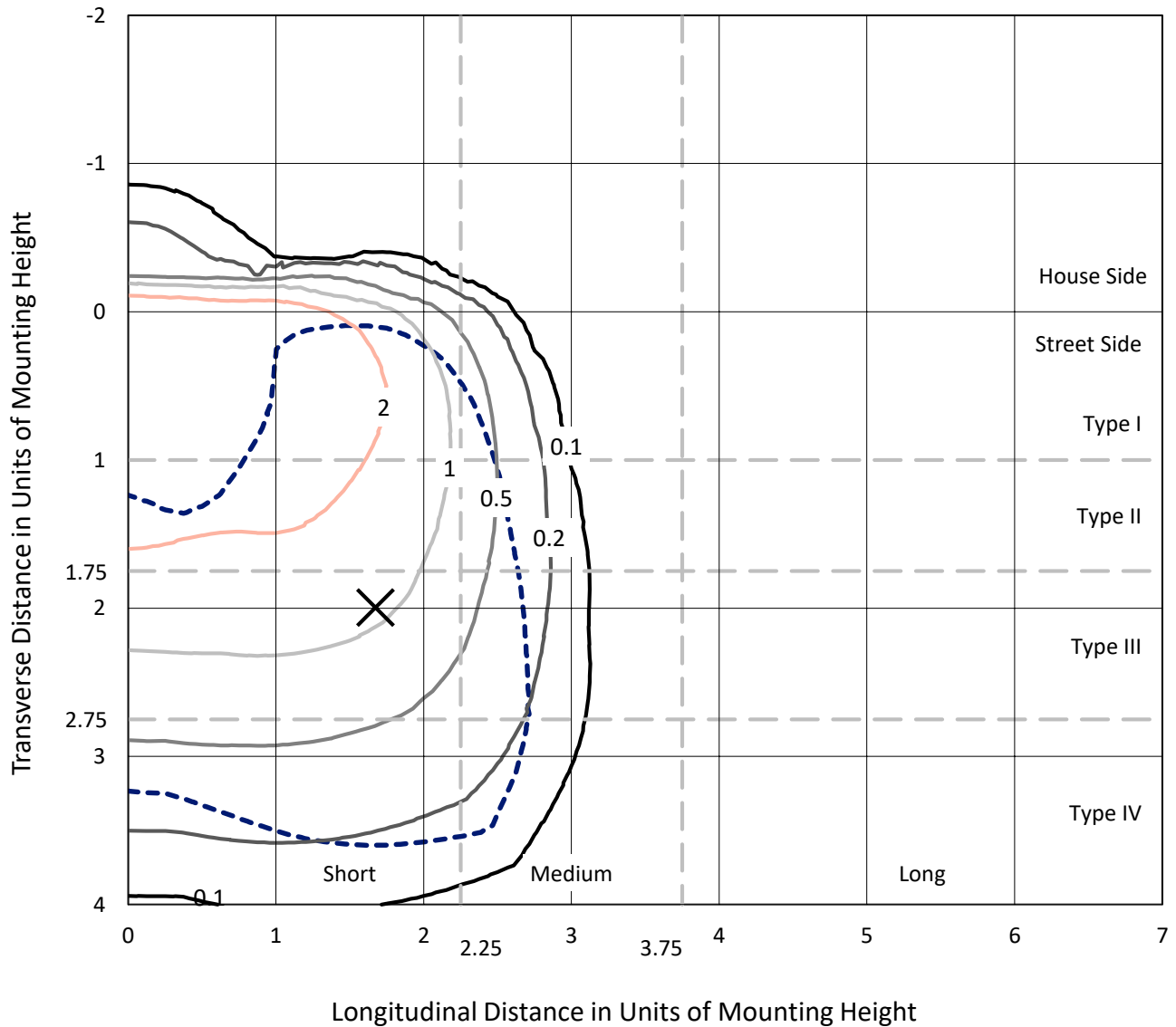


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Iso-Footcandle Lines of Horizontal Illumination

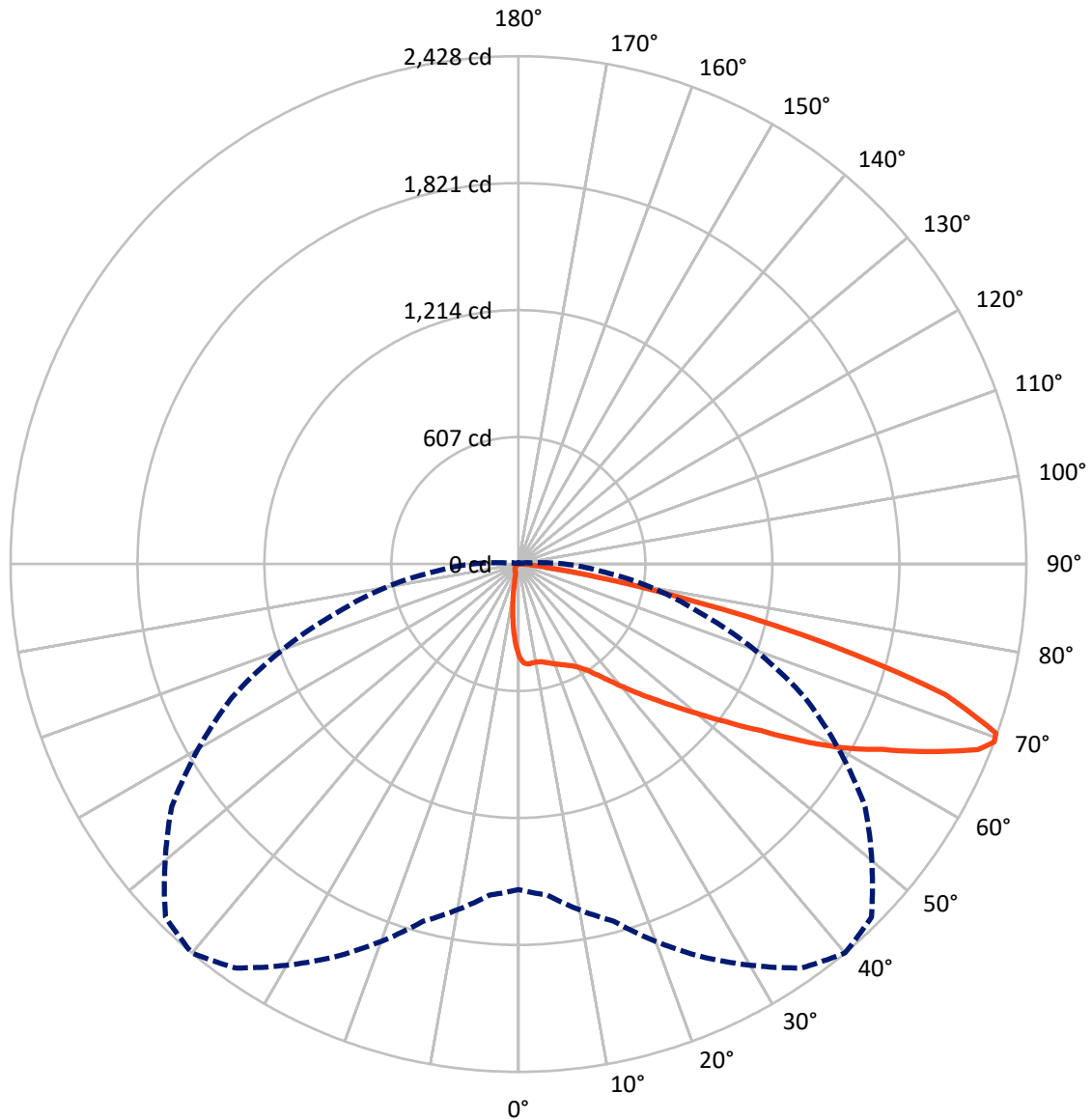
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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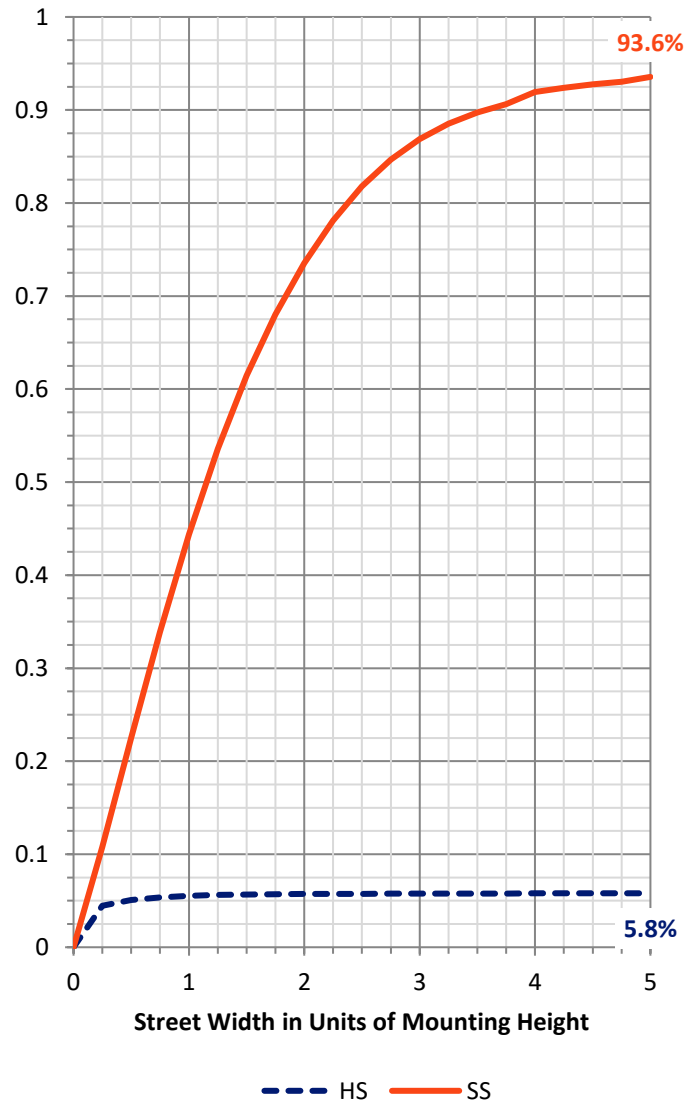
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	172.8	0.0	172.8
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	2781.4	0.0	2781.4
	% Fixture	94.1	0.0	94.1
Total	Lumens	2954.3	0.0	2954.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.2
10°-20°	88.0	3.0
20°-30°	148.2	5.0
30°-40°	242.7	8.2
40°-50°	420.2	14.2
50°-60°	661.8	22.4
60°-70°	864.3	29.3
70°-80°	445.2	15.1
80°-90°	48.2	1.6
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°	2954.3	100.0
0°-180°	2954.3	100.0

Coefficient of Utilization



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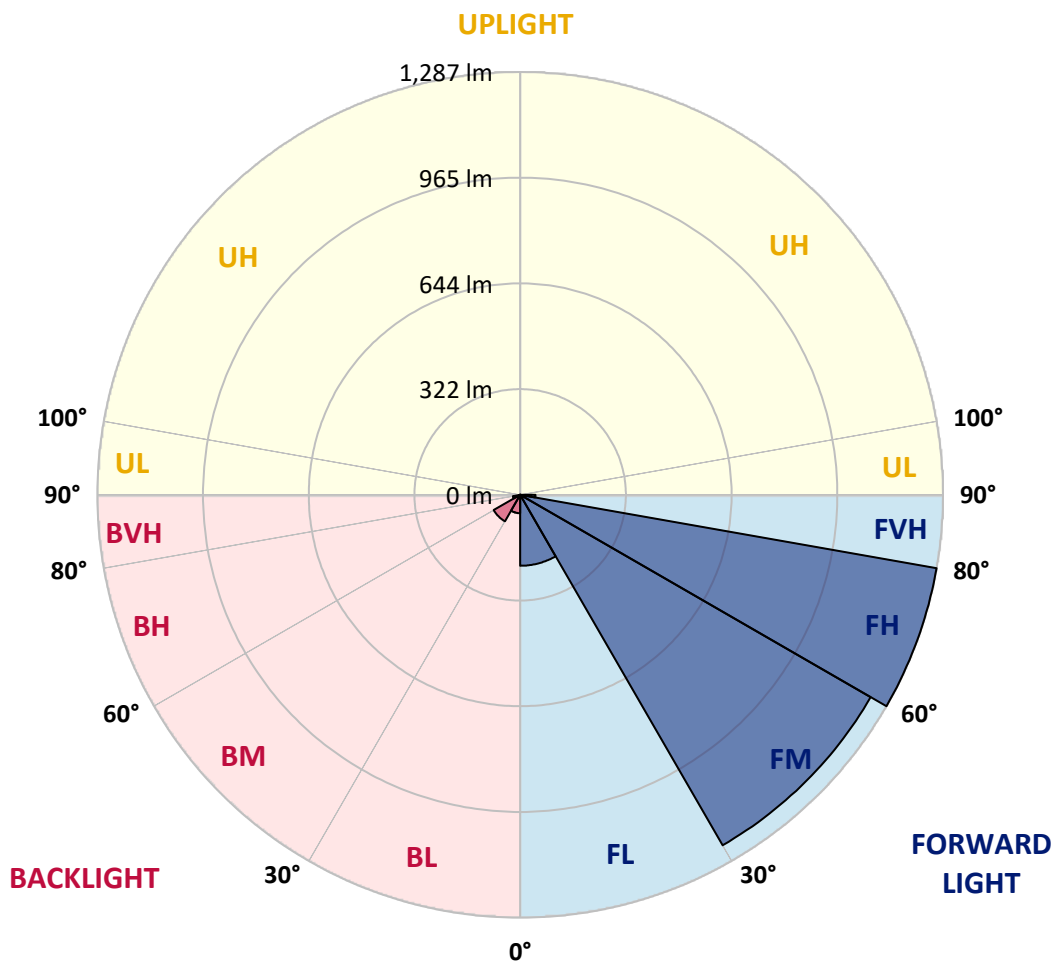
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.0	7.3			
FM (30°-60°)	1231.7	41.7			
FH (60°-80°)	1287.0	43.6			G1/1800
FVH (80°-90°)	46.6	1.6			G1/100
BL (0°-30°)	56.0	1.9	B0/110		
BM (30°-60°)	92.9	3.1	B0/220		
BH (60°-80°)	22.5	0.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3
2.5°	484.6	482.0	480.5	478.3	475.7	473.3	472.5	466.0	459.8	451.4	441.7
5°	493.6	492.7	489.9	487.2	483.9	480.5	478.4	470.7	462.0	449.6	432.8
7.5°	494.4	493.3	489.9	486.1	481.6	477.4	474.0	466.4	458.2	445.7	425.2
10°	493.1	491.8	489.1	484.9	479.5	475.6	472.1	464.8	458.0	446.6	423.8
12.5°	491.6	490.3	489.0	486.9	482.2	479.3	476.6	469.5	463.3	453.9	428.9
15°	493.1	492.5	493.8	492.9	490.3	487.8	484.9	478.6	473.0	465.1	438.3
17.5°	499.7	499.7	504.2	504.7	502.2	498.6	494.6	488.3	483.6	476.9	449.3
20°	515.4	514.9	520.5	521.6	515.5	510.1	504.2	496.5	492.7	488.5	460.2
22.5°	542.3	539.8	543.1	542.1	530.4	521.9	514.5	505.0	503.1	501.2	472.2
25°	577.3	576.0	578.1	567.8	547.1	535.6	526.9	516.2	516.2	518.1	486.1
27.5°	628.2	622.9	615.1	596.8	565.8	551.1	541.6	530.2	533.1	540.4	504.2
30°	680.1	674.4	656.7	628.5	588.4	573.1	562.0	550.0	557.0	570.2	528.5
32.5°	731.5	725.0	699.9	664.3	620.9	605.6	594.9	581.7	593.5	615.7	564.0
35°	781.3	775.4	746.5	704.6	664.1	651.5	641.7	630.3	645.3	676.3	614.1
37.5°	837.2	830.9	795.5	750.2	716.8	707.7	700.4	689.0	715.4	760.8	683.9
40°	906.0	895.3	847.6	802.4	777.7	773.3	768.3	766.8	807.7	870.5	776.9
42.5°	984.7	967.1	902.1	857.4	844.4	847.6	846.4	853.4	923.2	1006.9	890.1
45°	1063.6	1040.9	962.8	916.2	918.0	928.9	935.9	964.1	1067.9	1163.5	1012.0
47.5°	1130.3	1108.0	1021.0	979.6	1000.7	1022.6	1041.1	1094.5	1216.8	1317.5	1106.8
50°	1187.5	1166.4	1082.6	1049.5	1096.9	1132.1	1162.3	1241.3	1376.7	1434.8	1173.2
52.5°	1234.4	1220.2	1146.6	1129.4	1206.9	1258.3	1302.7	1397.4	1518.5	1530.1	1225.0
55°	1279.8	1269.8	1215.4	1224.6	1335.9	1406.0	1462.3	1562.8	1640.6	1609.6	1274.5
57.5°	1332.2	1323.2	1293.9	1345.2	1505.6	1594.0	1655.0	1709.5	1747.9	1690.8	1321.3
60°	1385.6	1380.4	1381.1	1479.2	1700.4	1785.2	1819.0	1833.0	1853.5	1767.2	1323.9
62.5°	1436.7	1446.7	1480.9	1628.4	1887.0	1952.0	1969.2	1983.1	1959.2	1779.5	1223.2
65°	1523.0	1539.3	1620.8	1828.0	2092.2	2162.0	2179.5	2131.8	1975.8	1622.6	995.0
67.5°	1565.2	1595.1	1740.3	2014.0	2291.2	2368.7	2362.3	2141.5	1773.1	1237.2	638.5
69°	1556.5	1588.3	1768.0	2071.0	2357.4	2427.6	2386.3	2023.2	1510.5	896.2	392.0
70°	1521.5	1553.8	1753.8	2068.8	2365.9	2421.4	2341.6	1877.0	1277.2	655.5	245.1
72.5°	1270.7	1298.5	1556.9	1870.0	2179.5	2134.4	1958.9	1300.3	622.3	178.6	55.2
75°	782.2	797.7	1117.1	1408.7	1646.1	1530.1	1305.1	647.0	185.5	50.5	30.6
77.5°	413.2	420.2	611.6	830.4	1043.6	863.5	669.0	252.3	85.5	31.7	22.2
80°	244.2	249.5	329.4	379.7	451.6	377.2	267.4	154.9	61.3	19.9	19.8
82.5°	139.7	143.1	238.8	211.0	178.0	152.0	133.0	146.9	36.7	13.4	20.4
85°	51.4	52.0	134.3	160.5	105.9	62.9	66.1	121.7	9.8	8.4	16.0
87.5°	24.0	23.4	69.1	98.4	62.0	40.0	51.6	26.7	3.9	5.5	4.4
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°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3
2.5°	436.0	429.6	417.8	405.7	393.4	383.8	374.6	367.1	364.7	360.1	360.5
5°	422.7	410.7	386.2	361.2	335.2	313.7	293.4	277.1	269.2	261.1	261.1
7.5°	411.2	393.7	355.2	314.5	272.5	237.2	205.4	181.5	168.3	157.7	157.6
10°	406.8	383.1	329.4	271.2	212.5	164.4	126.7	102.3	89.9	81.7	81.4
12.5°	408.6	379.4	309.5	231.0	157.6	105.7	73.3	57.8	52.5	49.9	49.9
15°	414.3	378.5	289.7	191.9	111.3	66.1	48.7	44.5	44.1	44.1	44.1
17.5°	421.1	378.7	269.2	153.7	75.7	47.3	42.0	41.5	41.9	41.9	41.9
20°	428.2	378.9	247.3	118.3	53.4	41.1	39.5	39.3	39.7	39.7	40.0
22.5°	436.8	379.9	225.2	88.5	44.1	38.8	37.5	37.5	37.8	37.8	37.5
25°	446.6	381.6	202.4	65.5	40.2	37.3	36.2	36.0	36.2	36.0	35.9
27.5°	458.9	384.0	176.8	51.4	38.4	35.8	34.9	34.9	34.7	34.5	34.2
30°	474.5	386.9	148.2	43.6	36.7	34.2	33.3	33.2	33.1	32.7	32.7
32.5°	498.0	393.0	120.0	39.5	34.9	32.3	31.7	31.7	31.4	30.9	30.8
35°	534.2	405.1	94.6	37.1	32.7	30.3	29.4	29.4	29.0	28.8	28.7
37.5°	584.3	423.6	73.5	34.9	30.6	27.9	27.0	26.9	26.6	26.2	26.1
40°	651.0	446.5	57.9	32.7	28.4	25.7	25.0	24.7	24.0	23.4	23.4
42.5°	734.8	472.5	46.9	30.5	26.1	23.5	23.0	22.5	21.3	20.8	20.7
45°	822.3	496.0	39.7	27.8	23.5	21.5	21.1	20.2	18.7	18.1	18.1
47.5°	885.4	501.3	35.0	25.3	21.3	19.1	19.0	17.3	16.0	15.6	15.5
50°	924.7	490.7	31.1	22.8	19.1	17.1	16.4	14.6	13.7	13.4	13.1
52.5°	951.3	471.4	27.9	20.8	17.2	15.1	14.0	12.4	11.8	11.4	11.4
55°	972.7	444.4	24.9	18.9	15.6	13.6	11.8	10.7	10.1	9.7	9.7
57.5°	978.7	407.7	21.6	17.2	14.1	11.9	10.1	9.3	8.4	8.3	8.3
60°	935.1	341.4	19.1	15.4	12.7	10.4	8.9	7.9	7.0	6.8	6.6
62.5°	820.7	264.1	16.9	13.6	11.0	9.0	7.5	6.5	5.7	5.7	5.7
65°	625.9	177.1	14.8	11.8	9.7	7.5	6.5	5.3	4.9	4.9	5.1
67.5°	374.8	96.4	12.7	10.1	8.3	6.4	5.5	4.6	4.4	4.6	4.6
69°	219.6	56.7	11.4	9.0	7.1	5.6	4.8	4.0	4.4	4.6	4.6
70°	135.6	38.2	10.6	8.1	6.5	5.1	4.4	3.9	4.2	4.4	4.4
72.5°	37.8	19.8	8.4	6.4	5.3	4.2	3.6	3.6	4.0	4.2	4.2
75°	24.7	14.6	6.5	4.8	4.0	3.4	3.0	3.4	3.9	4.0	4.0
77.5°	20.4	11.9	5.3	3.9	3.4	3.1	2.9	3.0	3.6	3.8	3.8
80°	18.7	8.4	4.2	3.6	3.0	2.9	2.6	2.4	3.1	3.4	3.4
82.5°	17.7	6.6	3.8	3.1	2.9	2.4	2.2	2.4	2.9	3.0	3.1
85°	11.0	4.4	3.4	3.0	2.4	2.2	2.2	2.2	2.6	2.9	2.9
87.5°	4.0	3.6	3.0	2.4	2.2	2.2	2.2	2.2	2.2	2.6	2.6
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)