

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: P199983

Luminaire Tested: **GPC-AF-01-LED-E1-SL4-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199983
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-SL4-7030-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 4990.9 lumens
Efficiency: N/A
Efficacy: 84.6 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 - G2

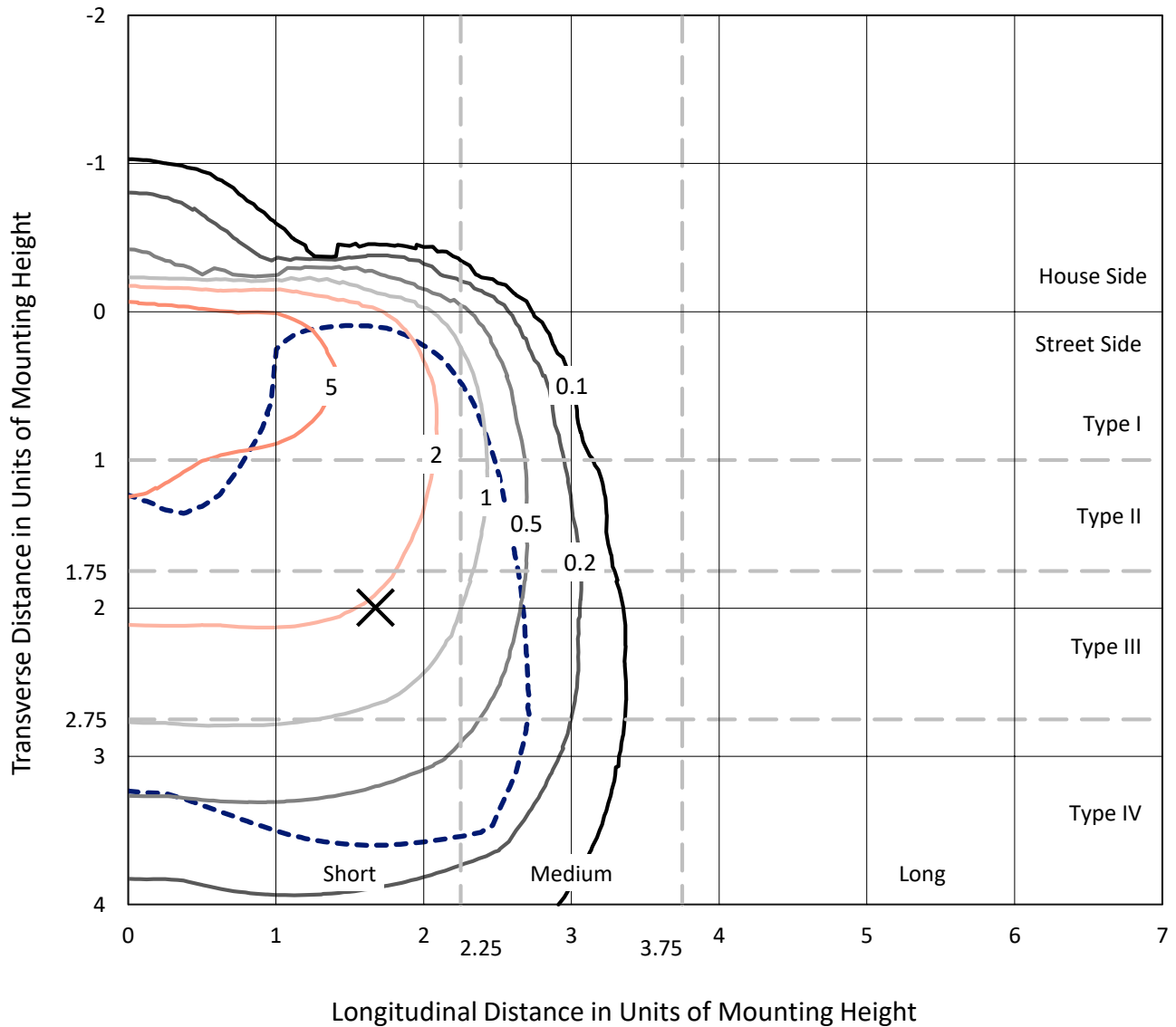
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

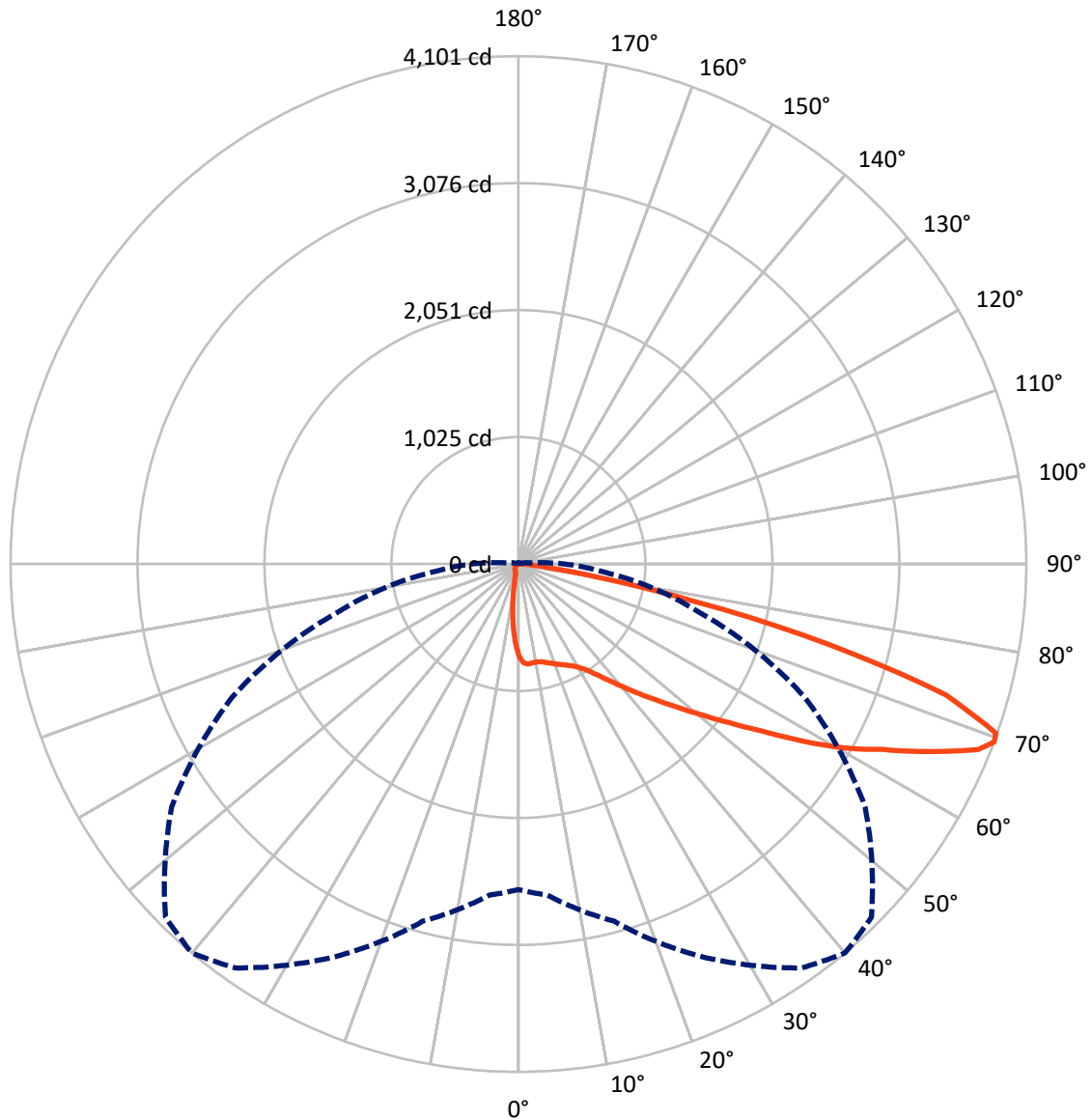


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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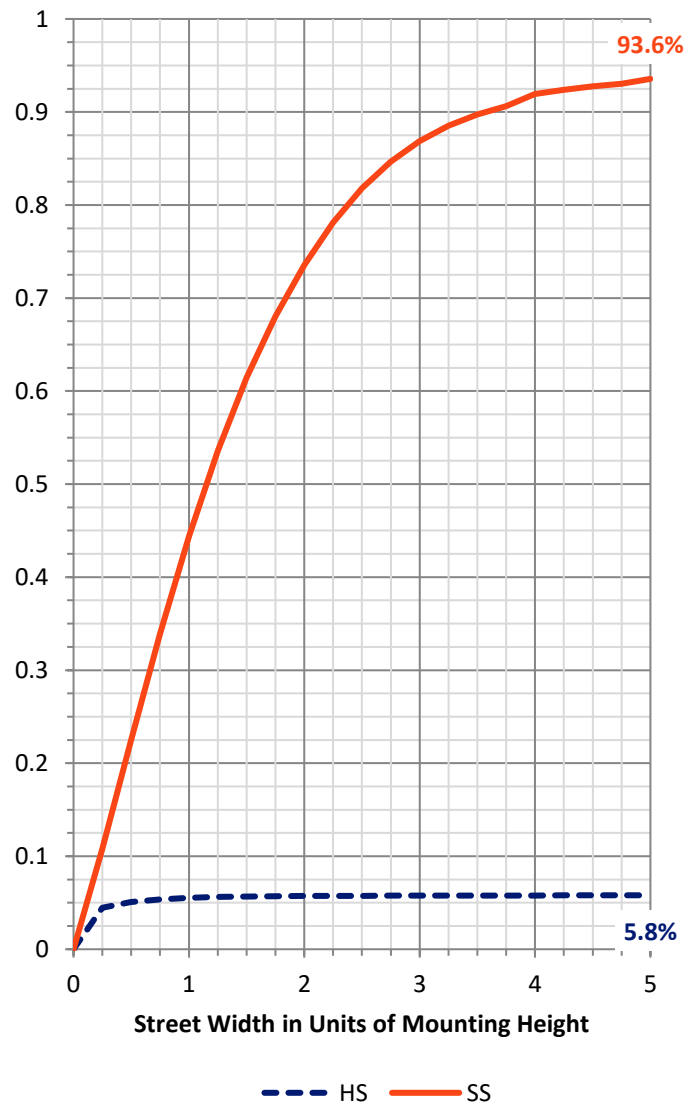
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.0	0.0	292.0
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	4698.9	0.0	4698.9
	% Fixture	94.1	0.0	94.1
Total	Lumens	4990.9	0.0	4990.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.2
10°-20°	148.7	3.0
20°-30°	250.4	5.0
30°-40°	410.0	8.2
40°-50°	709.8	14.2
50°-60°	1118.1	22.4
60°-70°	1460.1	29.3
70°-80°	752.0	15.1
80°-90°	81.4	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°	4990.9	100.0
0°-180°	4990.9	100.0



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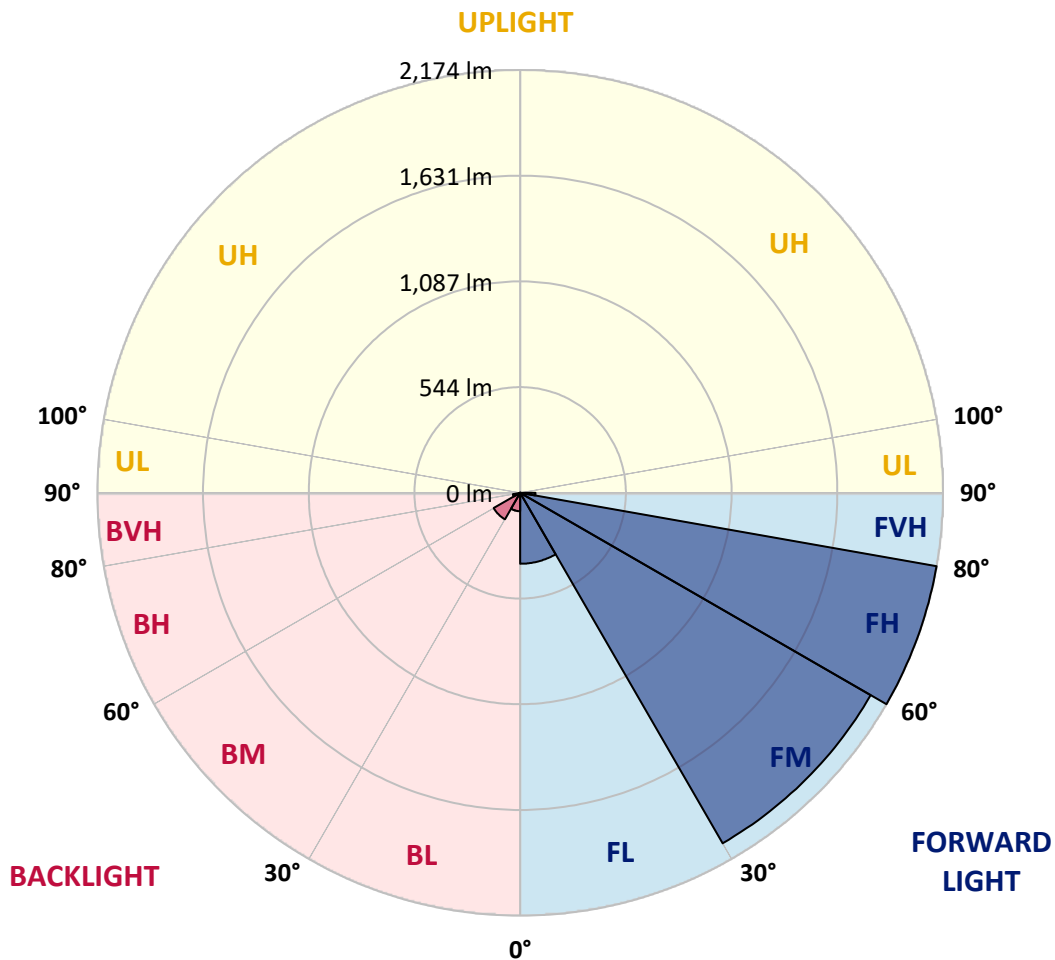
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.0	7.3			
FM	(30°-60°)	2080.9	41.7			
FH	(60°-80°)	2174.3	43.6			G2/5000
FVH	(80°-90°)	78.8	1.6			G1/100
BL	(0°-30°)	94.6	1.9	B0/110		
BM	(30°-60°)	156.9	3.1	B0/220		
BH	(60°-80°)	37.9	0.8	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7
2.5°	818.8	814.3	811.6	808.1	803.6	799.8	798.2	787.2	776.9	762.6	746.2
5°	833.8	832.4	827.6	822.9	817.6	811.6	808.4	795.3	780.4	759.7	731.2
7.5°	835.4	833.6	827.6	821.1	813.7	806.6	801.0	787.9	774.2	753.2	718.4
10°	833.0	830.9	826.4	819.3	810.1	803.3	797.7	785.1	773.5	754.6	715.9
12.5°	830.4	828.3	826.2	822.6	814.6	809.8	805.1	793.2	782.9	766.8	724.6
15°	833.0	831.8	834.2	832.8	828.3	824.2	819.3	808.6	799.1	785.8	740.3
17.5°	844.3	844.3	851.7	852.7	848.5	842.5	835.8	825.0	816.9	805.7	759.1
20°	870.8	869.8	879.3	881.1	871.1	861.8	851.7	838.7	832.4	825.4	777.5
22.5°	916.2	912.0	917.7	915.9	896.0	881.7	869.2	853.2	849.9	846.6	797.9
25°	975.3	973.0	976.8	959.3	924.3	904.8	890.0	871.9	871.9	875.1	821.1
27.5°	1061.1	1052.2	1039.2	1008.3	955.7	931.1	915.0	895.7	900.8	913.0	851.7
30°	1149.1	1139.3	1109.3	1061.8	994.0	968.1	949.5	929.2	941.2	963.4	892.7
32.5°	1235.8	1224.9	1182.4	1122.4	1049.0	1023.1	1005.0	982.8	1002.7	1040.0	952.7
35°	1320.0	1310.1	1261.1	1190.4	1122.1	1100.7	1084.1	1064.7	1090.3	1142.6	1037.4
37.5°	1414.4	1403.8	1344.0	1267.3	1210.9	1195.4	1183.3	1163.9	1208.5	1285.2	1155.3
40°	1530.6	1512.4	1432.0	1355.6	1313.8	1306.3	1298.0	1295.3	1364.5	1470.5	1312.5
42.5°	1663.7	1634.0	1524.0	1448.6	1426.6	1432.0	1429.8	1441.7	1559.6	1701.0	1503.9
45°	1796.8	1758.4	1626.6	1547.7	1550.7	1569.5	1581.1	1628.6	1804.2	1965.5	1709.7
47.5°	1909.7	1871.9	1724.8	1655.1	1690.7	1727.5	1759.1	1849.0	2055.5	2225.7	1869.9
50°	2006.2	1970.5	1829.1	1773.0	1853.1	1912.6	1963.7	2097.1	2325.8	2423.9	1982.2
52.5°	2085.2	2061.5	1937.2	1908.1	2038.9	2125.9	2200.8	2360.6	2565.3	2584.8	2069.5
55°	2162.1	2145.2	2053.4	2068.9	2257.0	2375.6	2470.3	2640.1	2771.5	2719.3	2153.3
57.5°	2250.7	2235.2	2186.0	2272.7	2543.7	2692.8	2796.2	2887.9	2953.0	2856.5	2232.2
60°	2341.0	2332.1	2333.2	2499.1	2872.8	3016.0	3073.0	3096.7	3131.3	2985.6	2236.7
62.5°	2427.2	2444.1	2501.7	2750.9	3187.9	3297.9	3326.7	3350.2	3309.8	3006.2	2066.5
65°	2573.0	2600.7	2738.2	3088.2	3534.6	3652.3	3682.0	3601.5	3338.0	2741.2	1680.9
67.5°	2644.3	2694.9	2940.1	3402.5	3870.9	4001.7	3990.7	3617.9	2995.5	2090.2	1078.7
69°	2629.5	2683.3	2986.8	3498.7	3982.7	4101.3	4031.4	3417.9	2552.0	1514.3	662.2
70°	2570.7	2625.1	2962.8	3495.2	3996.9	4090.7	3956.0	3171.0	2157.7	1107.3	414.1
72.5°	2146.7	2193.6	2630.4	3159.1	3682.0	3605.7	3309.5	2196.8	1051.4	301.5	93.3
75°	1321.4	1347.6	1887.4	2379.8	2780.9	2584.8	2205.0	1092.9	313.5	85.2	51.7
77.5°	698.1	710.0	1033.3	1402.8	1762.9	1458.7	1130.1	426.3	144.3	53.4	37.4
80°	412.7	421.5	556.4	641.4	762.9	637.2	451.9	261.6	103.4	33.6	33.4
82.5°	236.2	241.8	403.3	356.5	300.7	256.6	224.8	248.0	62.1	22.6	34.4
85°	86.8	88.0	226.9	271.2	178.8	106.3	111.7	205.6	16.6	14.3	27.0
87.5°	40.4	39.6	116.8	166.1	104.6	67.4	87.1	45.2	6.5	9.2	7.4
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°	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7	745.7
2.5°	736.7	725.8	705.9	685.4	664.7	648.6	632.8	620.3	616.1	608.5	609.0
5°	714.2	694.1	652.4	610.2	566.3	530.0	495.8	468.1	454.8	441.2	441.2
7.5°	694.6	665.2	600.1	531.4	460.5	400.8	347.0	306.6	284.3	266.5	266.1
10°	687.1	647.4	556.4	458.2	359.1	277.7	213.9	172.8	151.8	138.1	137.5
12.5°	690.4	641.2	523.0	390.4	266.1	178.5	123.9	97.5	88.5	84.3	84.3
15°	700.0	639.2	489.3	324.1	188.0	111.7	82.3	75.2	74.6	74.6	74.6
17.5°	711.5	639.9	454.8	259.6	128.1	79.9	71.0	70.2	70.7	70.7	70.7
20°	723.4	640.3	417.7	200.0	90.3	69.5	66.8	66.5	67.2	67.2	67.4
22.5°	737.9	641.7	380.6	149.4	74.6	65.7	63.6	63.6	63.9	63.9	63.6
25°	754.6	644.6	342.0	110.8	68.1	63.0	61.1	60.8	61.1	60.8	60.6
27.5°	775.4	648.8	298.9	86.8	65.0	60.3	58.8	58.8	58.6	58.2	57.9
30°	801.5	653.6	250.4	73.6	62.1	57.9	56.5	56.2	55.8	55.2	55.2
32.5°	841.3	664.0	202.5	66.8	58.8	54.6	53.4	53.4	52.9	52.3	52.0
35°	902.5	684.5	159.8	62.8	55.2	51.2	49.6	49.6	49.0	48.7	48.4
37.5°	987.1	715.6	124.2	58.8	51.7	47.2	45.8	45.5	44.9	44.2	43.9
40°	1099.8	754.3	97.8	55.2	48.1	43.3	42.2	41.6	40.4	39.6	39.6
42.5°	1241.1	798.2	79.3	51.4	43.9	39.8	38.9	38.0	35.9	35.1	34.8
45°	1389.1	837.8	67.2	47.0	39.8	36.3	35.6	34.2	31.4	30.6	30.6
47.5°	1495.8	847.0	59.1	42.8	35.9	32.3	32.1	29.4	27.0	26.4	26.1
50°	1562.4	828.8	52.6	38.6	32.3	28.9	28.0	24.7	23.2	22.6	22.3
52.5°	1607.2	796.5	47.2	35.1	29.1	25.5	23.5	21.1	19.8	19.3	19.3
55°	1643.2	750.7	41.8	31.8	26.4	22.8	19.8	18.1	16.9	16.4	16.4
57.5°	1653.3	688.7	36.5	29.1	23.8	20.2	16.9	15.8	14.3	13.9	13.9
60°	1579.9	576.7	32.3	25.9	21.5	17.5	14.9	13.3	11.9	11.6	11.3
62.5°	1386.5	446.3	28.5	22.8	18.7	15.2	12.8	11.0	9.9	9.9	9.9
65°	1057.6	299.2	24.9	19.8	16.4	12.8	11.0	9.0	8.3	8.3	8.6
67.5°	633.0	162.8	21.5	16.9	13.9	10.7	9.2	7.7	7.4	7.7	7.7
69°	371.1	95.7	19.3	15.2	12.1	9.5	7.9	6.9	7.4	7.7	7.7
70°	229.0	64.5	17.8	13.6	11.0	8.6	7.4	6.5	7.1	7.4	7.4
72.5°	63.9	33.4	14.3	10.7	9.0	7.1	5.9	5.9	6.9	7.1	7.1
75°	41.6	24.7	11.0	7.9	6.9	5.7	5.0	5.7	6.5	6.9	6.9
77.5°	34.4	20.2	9.0	6.5	5.7	5.4	4.8	5.0	5.9	6.2	6.2
80°	31.4	14.3	7.1	5.9	5.0	4.8	4.5	4.2	5.4	5.7	5.7
82.5°	30.0	11.3	6.2	5.4	4.8	4.2	3.9	4.2	4.8	5.0	5.4
85°	18.7	7.4	5.7	5.0	4.2	3.9	3.9	3.9	4.5	4.8	4.8
87.5°	6.9	5.9	5.0	4.2	3.6	3.6	3.6	3.6	3.9	4.5	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)