

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: P200593

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-8030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200593
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-SL2-8030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 4713 lumens
Efficiency: N/A
Efficacy: 70.3 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): 67
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

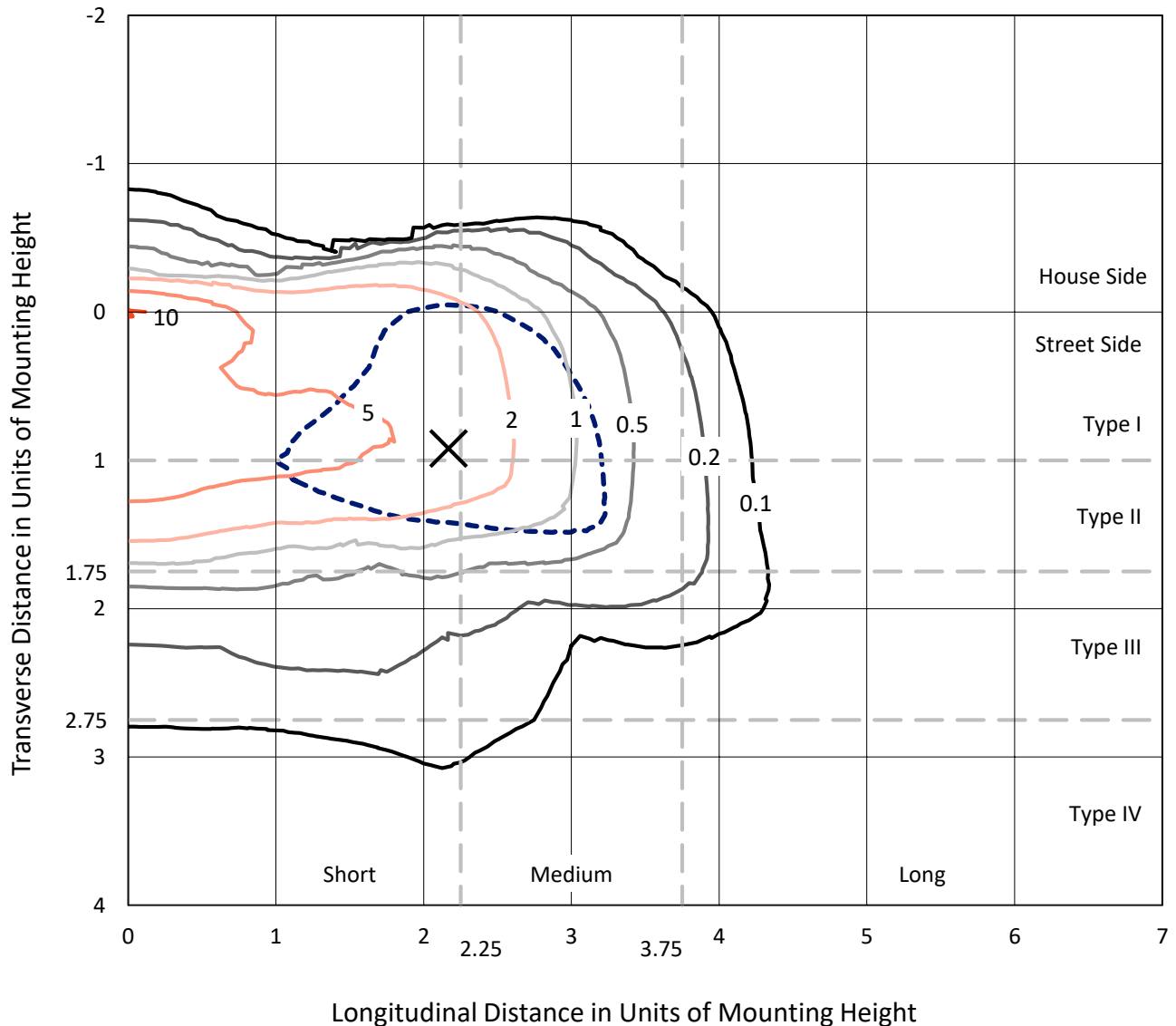


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Iso-Footcandle Lines of Horizontal Illumination

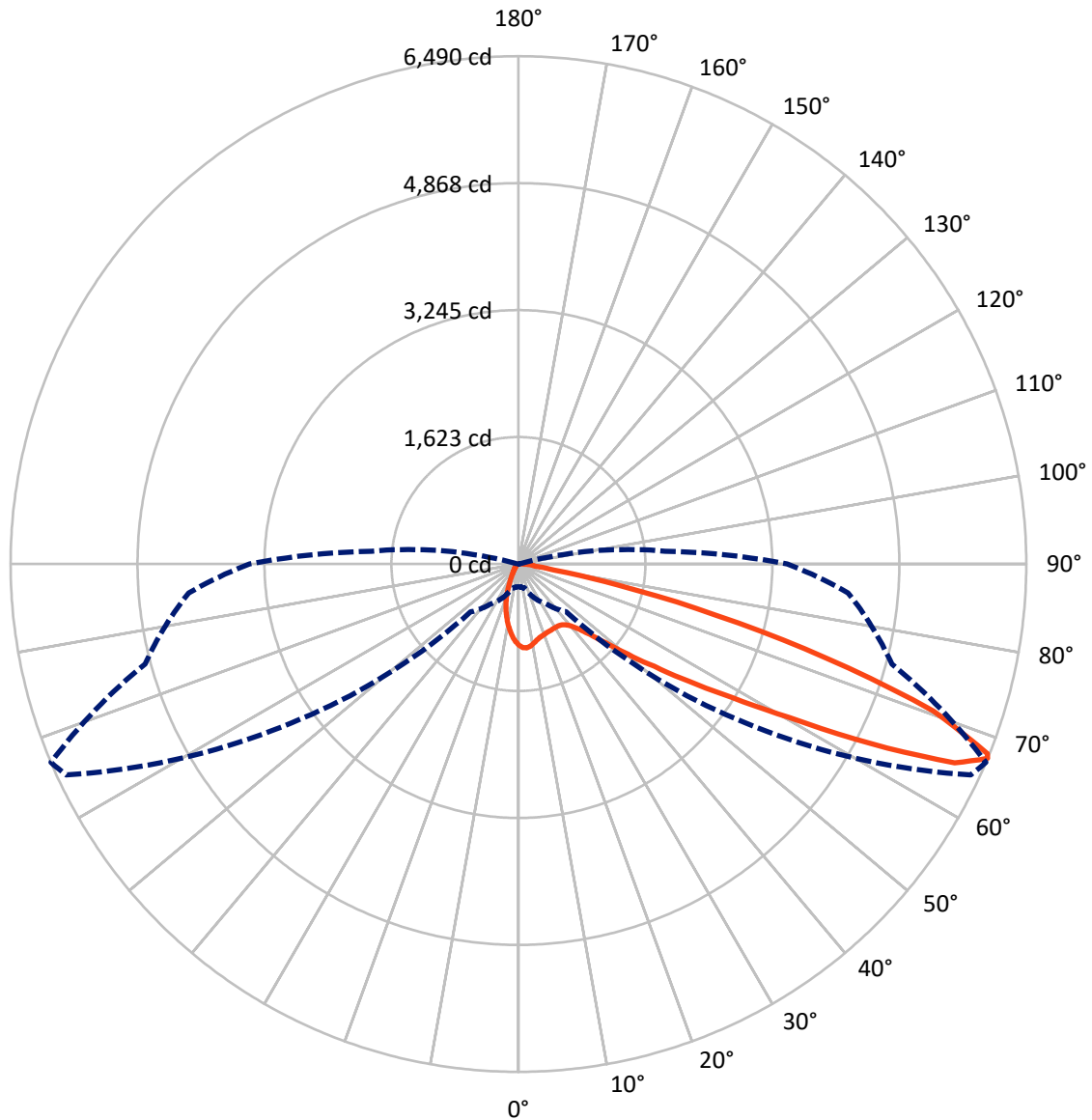
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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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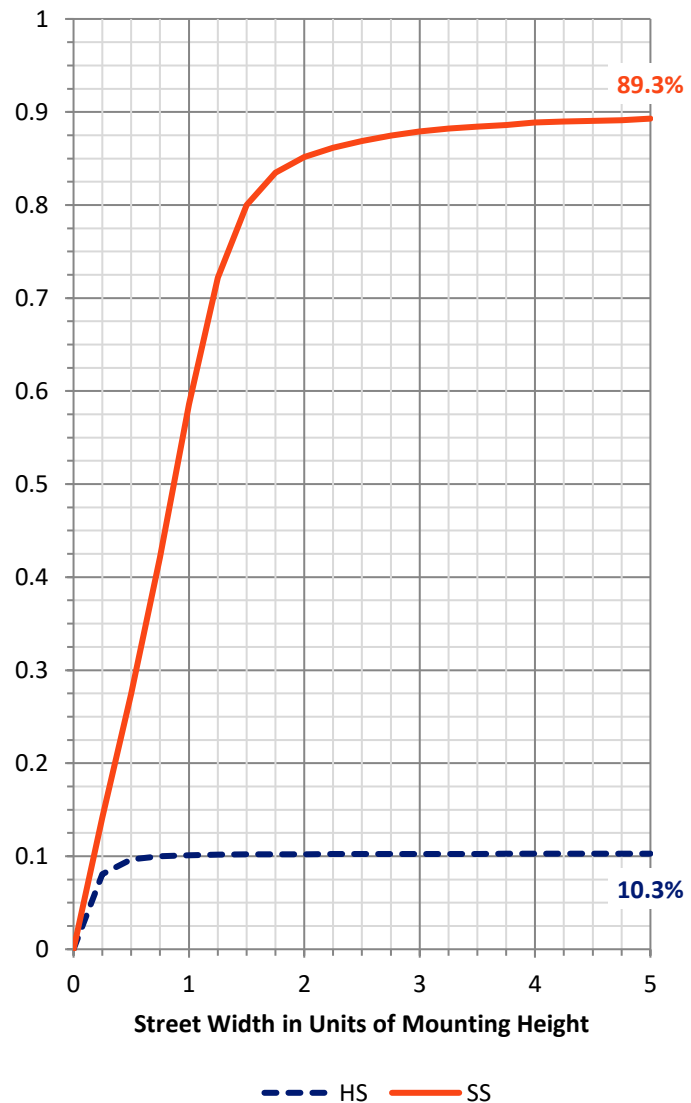
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.3	0.0	489.3
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	4223.7	0.0	4223.7
	% Fixture	89.6	0.0	89.6
Total	Lumens	4713.0	0.0	4713.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.8
10°-20°	180.0	3.8
20°-30°	261.7	5.6
30°-40°	408.3	8.7
40°-50°	723.2	15.3
50°-60°	1144.5	24.3
60°-70°	1310.8	27.8
70°-80°	543.7	11.5
80°-90°	56.2	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°	4713.0	100.0
0°-180°	4713.0	100.0



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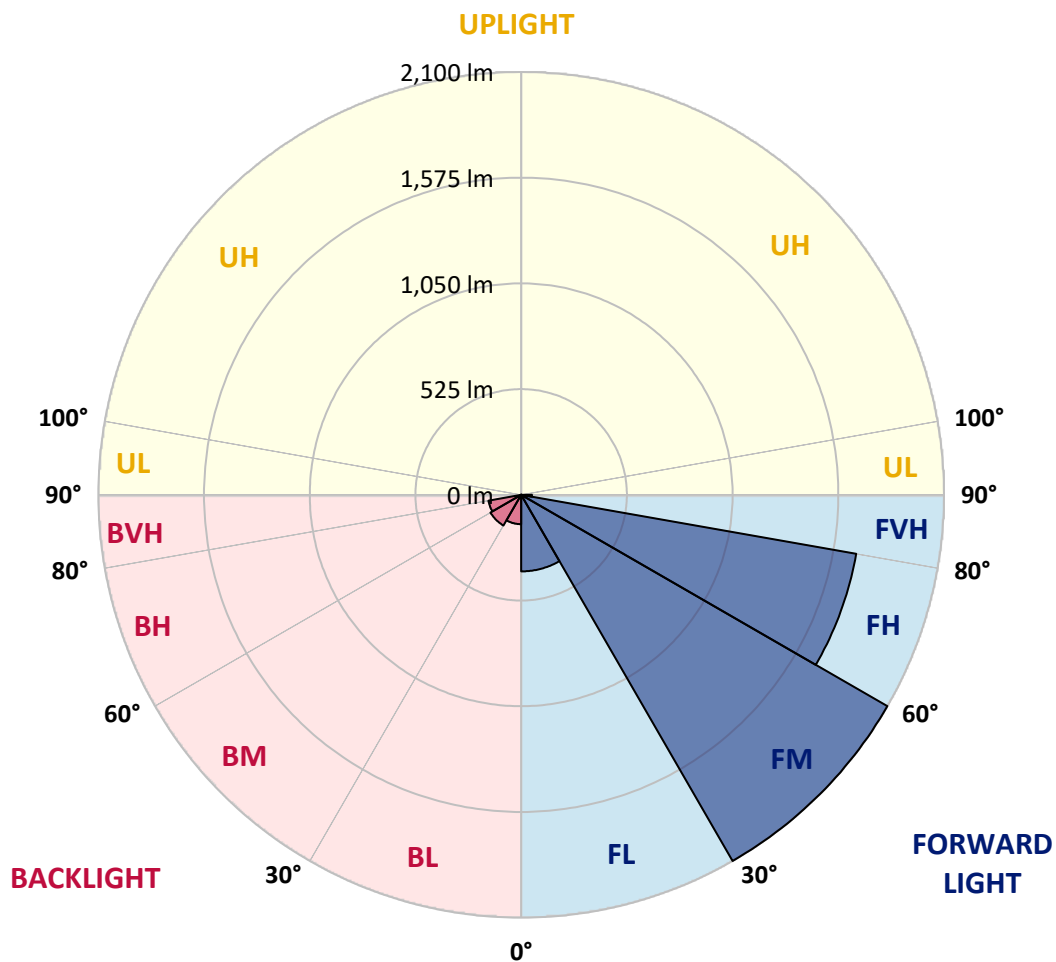
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.3	8.1			
FM (30°-60°)	2100.1	44.6			
FH (60°-80°)	1689.6	35.9			G1/1800
FVH (80°-90°)	53.6	1.1			G1/100
BL (0°-30°)	146.0	3.1	B1/500		
BM (30°-60°)	175.9	3.7	B0/220		
BH (60°-80°)	164.9	3.5	B1/500		G1/500
BVH (80°-90°)	2.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1074.6	1076.8	1076.5	1078.2	1082.0	1082.3	1078.4	1071.0	1069.4	1059.7	1043.0
5°	991.0	997.3	1001.2	1016.8	1034.4	1055.6	1071.6	1077.3	1076.5	1069.6	1044.3
7.5°	895.6	901.9	906.3	924.8	948.1	984.4	1025.9	1060.0	1063.0	1070.5	1043.2
10°	832.1	833.2	839.3	856.9	881.3	918.4	967.9	1027.6	1036.6	1063.9	1040.5
12.5°	779.9	780.7	788.7	807.7	833.8	871.2	923.1	992.1	1006.1	1055.6	1039.9
15°	742.8	745.8	752.9	772.7	800.5	837.6	890.9	966.0	982.8	1052.6	1044.9
17.5°	730.4	733.7	735.9	750.2	775.5	811.8	866.5	948.9	967.9	1054.2	1054.5
20°	743.3	745.8	740.9	744.4	760.1	792.5	845.9	934.4	956.9	1056.2	1066.9
22.5°	791.4	792.5	779.1	763.4	760.6	778.5	829.6	922.8	947.0	1061.4	1081.4
25°	873.9	872.0	850.0	816.2	784.3	776.0	820.0	915.7	942.1	1066.9	1096.6
27.5°	973.4	976.2	945.9	896.7	836.0	792.5	818.6	912.7	939.9	1070.7	1109.8
30°	1094.4	1098.2	1063.6	1001.7	914.6	833.2	831.3	912.1	938.5	1068.3	1110.9
32.5°	1217.8	1222.5	1195.3	1131.5	1019.6	901.4	859.9	918.2	941.3	1059.7	1104.5
35°	1347.0	1353.6	1335.5	1280.8	1162.0	999.8	910.2	936.6	954.2	1058.9	1098.2
37.5°	1525.4	1531.5	1497.4	1439.4	1334.4	1131.8	991.0	971.2	984.7	1072.1	1099.9
40°	1791.8	1791.0	1703.0	1614.2	1523.8	1299.4	1104.5	1033.9	1040.8	1112.0	1120.2
42.5°	2082.1	2080.7	1950.7	1815.7	1734.1	1505.9	1253.8	1142.2	1137.5	1185.4	1173.0
45°	2305.8	2305.6	2199.5	2047.4	1987.2	1742.9	1446.8	1292.8	1285.7	1304.7	1270.3
47.5°	2401.2	2402.9	2349.6	2242.6	2267.9	2063.4	1690.1	1511.1	1500.4	1492.7	1440.5
50°	2327.0	2330.3	2334.7	2313.8	2473.8	2494.2	2016.4	1818.7	1813.5	1779.1	1697.5
52.5°	2084.6	2101.3	2153.0	2219.3	2545.3	2907.6	2528.0	2200.8	2172.8	2136.2	2046.3
55°	1676.1	1694.5	1792.6	1953.4	2438.9	3179.2	3244.9	2693.5	2646.7	2537.6	2407.8
57.5°	1109.2	1137.8	1280.2	1484.7	2129.9	3222.9	3960.2	3377.1	3214.4	2915.6	2769.3
60°	611.1	638.6	793.1	978.4	1538.3	3006.8	4441.3	4267.2	3979.7	3338.1	3208.3
62.5°	376.3	391.2	505.3	677.6	922.6	2373.2	4540.8	5385.8	5052.9	3882.1	3738.6
65°	299.6	306.0	361.8	553.9	661.4	1411.6	4219.4	6238.5	6127.5	4540.8	4213.4
67°	290.8	293.3	319.7	475.6	623.5	865.4	3534.9	6377.4	6490.1	4939.4	4228.2
67.5°	292.8	295.5	320.5	453.9	622.4	795.3	3299.1	6322.7	6465.1	4971.0	4162.5
70°	282.3	290.8	367.0	453.6	591.9	660.9	1975.7	5478.2	5626.3	4618.8	3531.9
72.5°	100.1	100.6	158.6	367.0	643.5	668.0	992.1	4016.0	4125.7	3533.3	2546.4
75°	59.4	50.6	52.8	104.5	614.9	648.8	572.3	2566.2	2607.1	2024.6	1289.5
77.5°	41.0	35.7	36.8	46.2	234.2	639.7	454.7	1338.2	1294.5	710.1	274.6
80°	23.4	20.6	22.0	40.4	85.2	596.8	428.8	542.6	462.7	120.4	75.9
82.5°	12.4	10.4	12.6	33.3	59.4	371.9	429.7	262.3	207.8	40.7	51.7
85°	4.4	3.6	6.0	22.8	39.6	114.1	398.3	220.5	173.2	19.8	39.3
87.5°	0.8	0.8	2.5	9.3	15.9	34.9	235.6	130.9	87.7	11.8	26.9
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°	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4	1039.4
2.5°	1036.1	1024.3	1008.3	988.8	965.7	945.4	930.3	914.6	911.3	905.8	905.0
5°	1029.2	1008.9	969.3	923.9	875.6	831.8	796.4	764.8	750.7	738.7	737.3
7.5°	1019.0	988.5	921.2	848.1	772.5	703.7	645.5	604.2	566.3	548.1	545.4
10°	1007.2	963.5	867.0	765.6	661.1	564.1	477.5	404.9	360.9	334.8	331.5
12.5°	996.2	939.1	811.8	680.1	541.3	411.5	300.2	230.9	184.7	166.0	163.8
15°	991.0	919.3	760.1	592.7	415.9	262.0	164.1	127.0	111.9	107.5	107.2
17.5°	990.5	902.5	709.5	502.2	291.4	152.3	106.9	97.6	94.6	93.5	93.5
20°	990.2	886.5	658.9	408.5	185.0	101.4	89.1	86.9	84.7	83.3	83.3
22.5°	993.2	872.3	606.2	312.8	116.6	82.2	78.3	76.1	73.4	71.5	71.2
25°	996.2	861.3	552.3	222.7	84.4	71.5	67.6	64.6	60.8	58.3	58.0
27.5°	996.8	847.5	494.5	149.0	70.6	62.4	57.5	52.8	48.4	45.9	45.6
30°	988.5	824.4	430.5	100.6	62.4	54.2	47.6	42.6	38.5	36.6	36.6
32.5°	972.3	795.8	360.1	75.9	55.5	46.5	39.3	34.6	31.9	31.1	30.8
35°	957.7	765.0	287.8	64.3	49.8	39.3	32.2	29.1	27.5	27.2	26.9
37.5°	949.2	740.3	219.9	58.3	44.3	33.0	27.2	25.0	24.2	23.6	23.9
40°	955.8	719.7	162.5	53.3	38.8	27.5	23.1	22.0	21.2	20.9	20.9
42.5°	984.7	716.1	120.7	48.9	33.5	22.8	20.1	19.2	18.7	18.4	18.7
45°	1060.6	738.1	93.7	44.8	28.3	19.2	17.0	16.8	16.5	16.5	16.5
47.5°	1174.6	783.5	78.1	40.1	23.6	16.5	14.8	14.6	14.3	14.6	14.6
50°	1367.9	866.5	69.8	35.5	19.5	14.0	12.6	12.6	12.6	12.6	12.9
52.5°	1661.8	1029.8	64.3	30.8	15.9	11.8	10.7	10.7	11.0	11.0	11.3
55°	1989.2	1246.4	59.4	26.1	13.5	9.9	8.8	9.1	9.3	9.6	9.6
57.5°	2344.3	1486.4	55.3	21.4	11.5	8.0	7.4	7.7	8.0	8.5	8.5
60°	2772.9	1746.2	49.2	16.8	9.6	6.3	5.8	6.3	7.1	7.7	8.0
62.5°	3243.5	1997.4	41.5	13.2	8.0	4.9	4.7	5.8	6.9	7.4	7.7
65°	3565.2	2076.3	31.9	10.7	6.0	3.6	3.8	5.2	6.6	7.4	7.4
67°	3434.9	1882.5	26.1	9.1	4.9	2.7	3.6	5.2	6.6	7.1	7.4
67.5°	3344.4	1806.6	25.0	8.8	4.7	2.7	3.6	5.2	6.6	7.4	7.4
70°	2721.2	1357.2	20.9	6.6	3.8	2.5	3.0	4.9	6.3	7.1	7.1
72.5°	1890.8	836.8	18.7	4.7	3.3	2.2	2.7	4.7	6.0	6.9	7.1
75°	898.9	302.9	15.9	3.6	3.0	1.9	2.5	4.7	6.0	6.9	6.9
77.5°	183.4	70.4	12.9	3.0	2.5	1.9	2.2	4.4	5.8	6.6	6.6
80°	60.2	27.2	9.6	2.7	2.5	1.9	2.2	4.1	5.8	6.3	6.6
82.5°	43.4	13.7	6.3	2.7	2.5	1.9	1.9	4.1	5.5	6.3	6.3
85°	33.3	9.6	4.1	2.7	2.5	1.9	1.9	3.8	5.2	6.0	6.0
87.5°	22.0	3.8	3.3	2.7	2.5	1.9	1.9	3.8	4.9	5.8	6.0
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)