

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: P200111

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200111
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-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 5385.8 lumens
Efficiency: N/A
Efficacy: 91.3 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 - G2

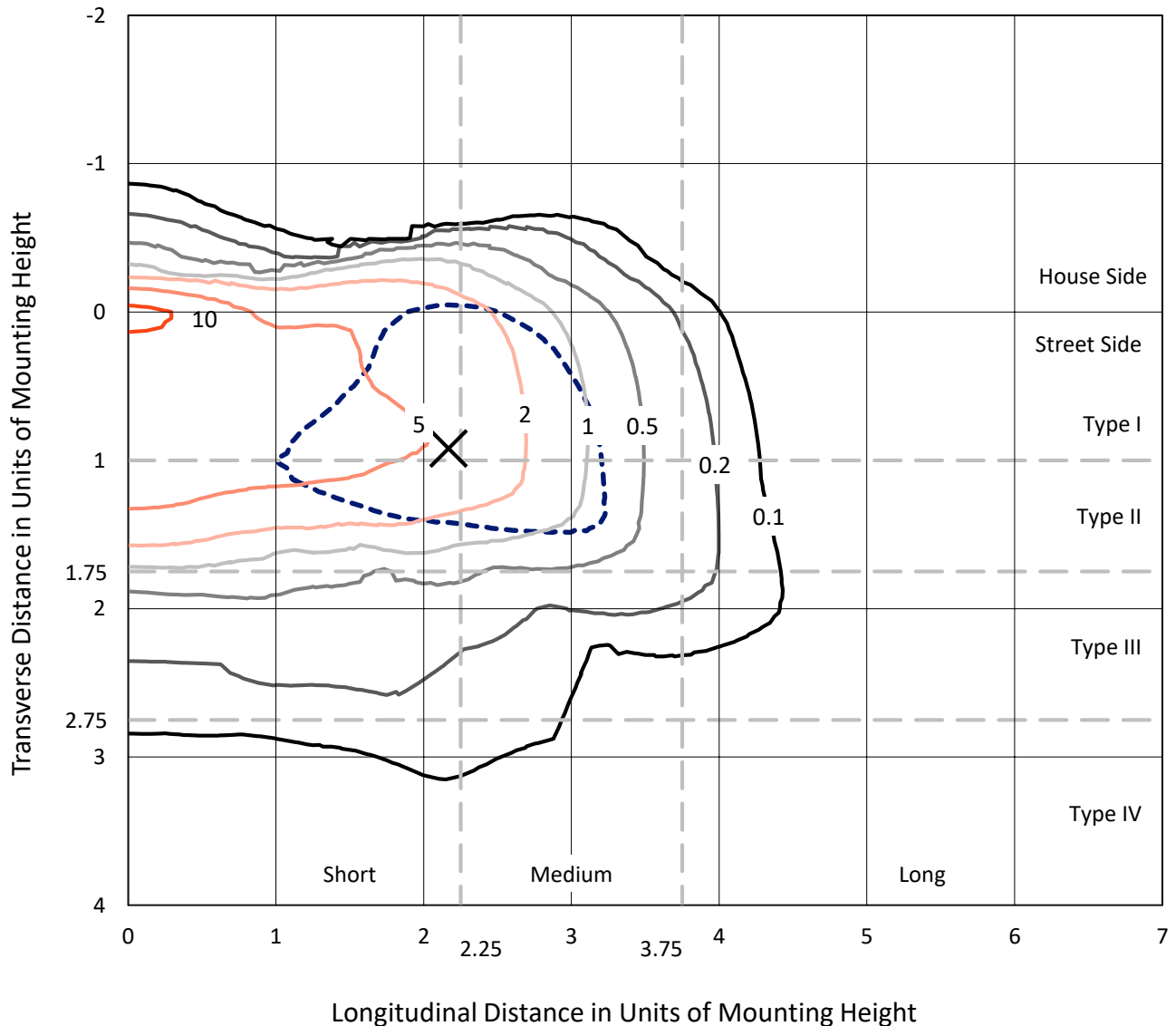
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

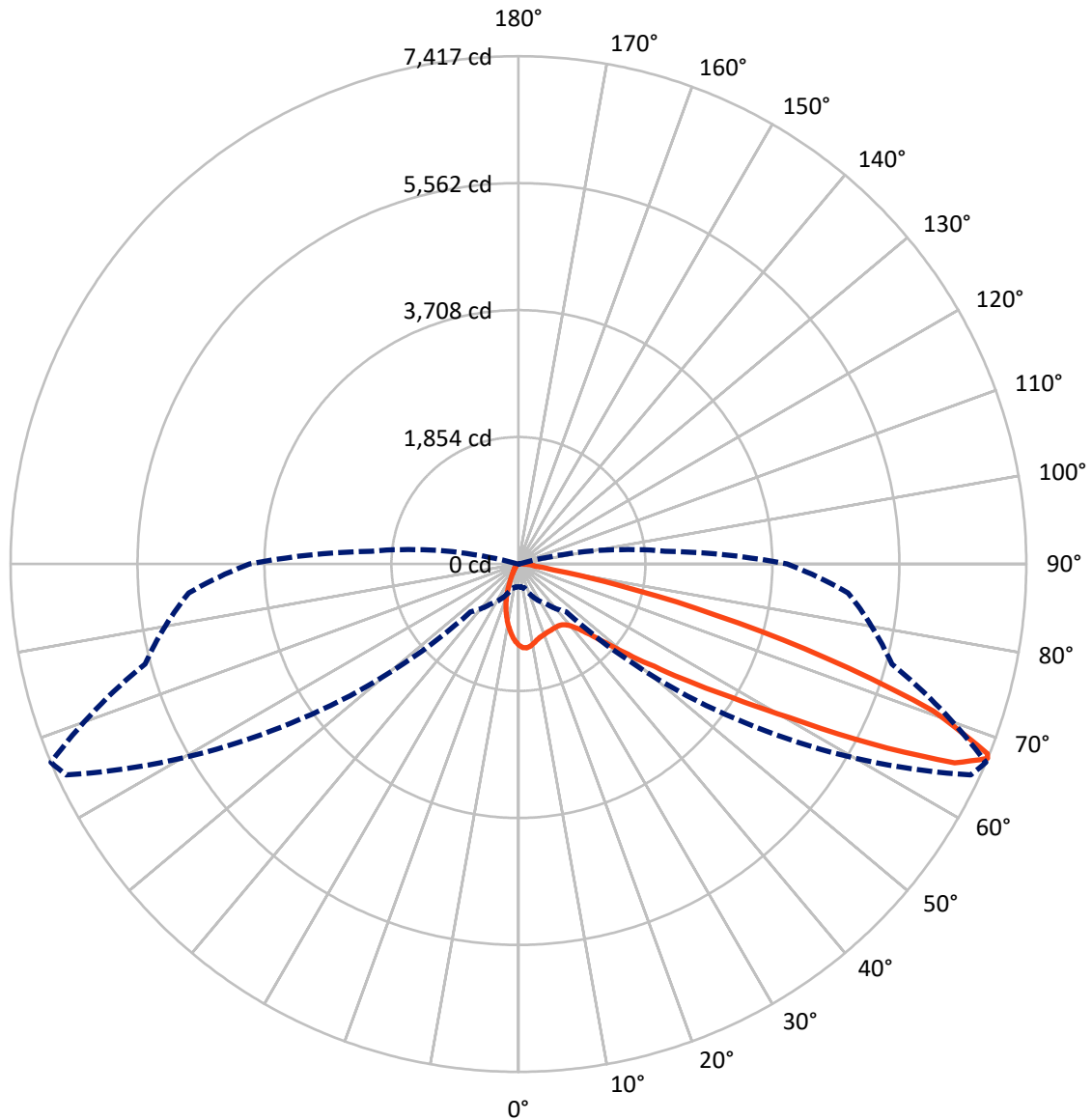
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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	559.2	0.0	559.2
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	4826.6	0.0	4826.6
	% Fixture	89.6	0.0	89.6
Total	Lumens	5385.8	0.0	5385.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.8
10°-20°	205.7	3.8
20°-30°	299.1	5.6
30°-40°	466.6	8.7
40°-50°	826.5	15.3
50°-60°	1307.9	24.3
60°-70°	1498.0	27.8
70°-80°	621.4	11.5
80°-90°	64.2	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°	5385.8	100.0
0°-180°	5385.8	100.0



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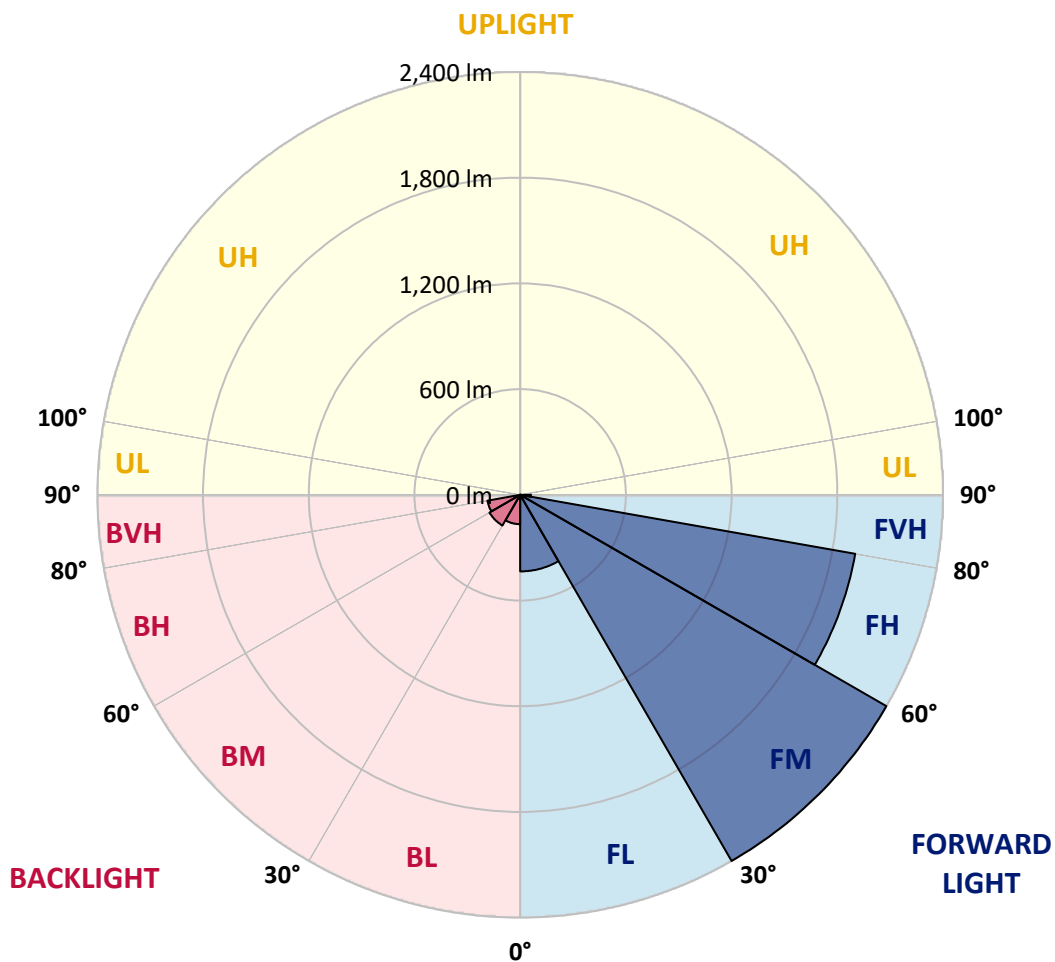
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.6	8.1			
FM (30°-60°)	2399.9	44.6			
FH (60°-80°)	1930.8	35.9			G2/5000
FVH (80°-90°)	61.3	1.1			G1/100
BL (0°-30°)	166.9	3.1	B1/500		
BM (30°-60°)	201.0	3.7	B0/220		
BH (60°-80°)	188.5	3.5	B1/500		G1/500
BVH (80°-90°)	2.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1228.0	1230.5	1230.2	1232.0	1236.4	1236.7	1232.3	1223.9	1222.0	1211.1	1191.8
5°	1132.5	1139.7	1144.1	1162.0	1182.1	1206.3	1224.6	1231.1	1230.2	1222.3	1193.5
7.5°	1023.5	1030.7	1035.7	1056.8	1083.5	1124.9	1172.4	1211.4	1214.8	1223.2	1192.1
10°	950.9	952.2	959.1	979.2	1007.1	1049.5	1106.1	1174.2	1184.7	1215.8	1189.1
12.5°	891.2	892.2	901.3	922.9	952.8	995.5	1054.9	1133.7	1149.8	1206.3	1188.4
15°	848.8	852.2	860.4	883.0	914.8	957.2	1018.1	1103.9	1123.1	1202.9	1194.1
17.5°	834.7	838.4	841.0	857.3	886.2	927.7	990.2	1084.4	1106.1	1204.7	1205.0
20°	849.5	852.2	846.6	850.7	868.6	905.7	966.6	1067.8	1093.5	1207.0	1219.2
22.5°	904.4	905.7	890.3	872.4	869.2	889.7	948.1	1054.6	1082.2	1212.9	1235.8
25°	998.7	996.5	971.3	932.7	896.2	886.8	937.1	1046.4	1076.6	1219.2	1253.1
27.5°	1112.4	1115.5	1081.0	1024.7	955.3	905.7	935.5	1043.0	1074.1	1223.6	1268.2
30°	1250.6	1255.0	1215.5	1144.8	1045.1	952.2	950.0	1042.3	1072.5	1220.8	1269.5
32.5°	1391.6	1397.0	1365.8	1293.0	1165.1	1030.1	982.6	1049.2	1075.6	1211.1	1262.2
35°	1539.3	1546.8	1526.1	1463.6	1327.9	1142.5	1040.1	1070.3	1090.4	1210.0	1255.0
37.5°	1743.2	1750.1	1711.1	1644.9	1524.8	1293.3	1132.5	1109.9	1125.2	1225.2	1256.9
40°	2047.5	2046.6	1946.2	1844.7	1741.3	1484.9	1262.2	1181.5	1189.4	1270.7	1280.1
42.5°	2379.3	2377.7	2229.1	2075.0	1981.7	1720.9	1432.8	1305.3	1300.0	1354.6	1340.5
45°	2635.0	2634.7	2513.5	2339.7	2271.0	1991.7	1653.3	1477.4	1469.3	1491.0	1451.7
47.5°	2744.1	2745.9	2684.9	2562.8	2591.6	2358.0	1931.3	1726.8	1714.6	1705.8	1646.1
50°	2659.3	2662.9	2668.1	2644.1	2826.9	2850.2	2304.2	2078.3	2072.4	2033.1	1939.8
52.5°	2382.1	2401.3	2460.4	2536.1	2908.7	3322.6	2888.8	2515.0	2483.0	2441.2	2338.5
55°	1915.4	1936.3	2048.6	2232.3	2787.0	3633.1	3708.2	3078.0	3024.6	2899.9	2751.5
57.5°	1267.5	1300.3	1462.9	1696.7	2434.0	3683.0	4525.5	3859.3	3673.3	3331.9	3164.7
60°	698.4	729.8	906.3	1118.1	1757.9	3436.1	5075.3	4876.4	4547.8	3814.7	3666.4
62.5°	430.0	447.0	577.4	774.4	1054.3	2712.0	5189.0	6154.7	5774.3	4436.3	4272.4
65°	342.4	349.6	413.4	633.0	755.9	1613.1	4821.8	7129.1	7002.3	5189.0	4814.8
67°	332.4	335.2	365.4	543.5	712.5	988.9	4039.5	7287.8	7416.6	5644.5	4831.8
67.5°	334.6	337.7	366.3	518.6	711.3	908.8	3770.0	7225.3	7388.1	5680.7	4756.7
70°	322.6	332.4	419.4	518.3	676.4	755.2	2257.8	6260.3	6429.6	5278.2	4036.2
72.5°	114.4	115.0	181.3	419.4	735.4	763.3	1133.7	4589.4	4714.7	4037.7	2909.9
75°	67.8	57.8	60.4	119.4	702.8	741.3	654.1	2932.5	2979.3	2313.7	1473.7
77.5°	46.9	40.8	42.1	52.8	267.6	731.0	519.6	1529.2	1479.3	811.4	313.8
80°	26.7	23.5	25.2	46.1	97.4	682.0	490.1	620.1	528.7	137.6	86.7
82.5°	14.1	12.0	14.4	38.1	67.8	425.0	491.0	299.7	237.5	46.5	59.0
85°	5.0	4.1	7.0	26.1	45.2	130.3	455.2	252.0	197.9	22.6	44.9
87.5°	0.9	0.9	2.9	10.6	18.2	39.9	269.2	149.6	100.2	13.5	30.8
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°	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1184.0	1170.5	1152.3	1130.0	1103.6	1080.3	1063.1	1045.1	1041.4	1035.1	1034.2
5°	1176.2	1152.9	1107.7	1055.8	1000.5	950.6	910.1	873.9	857.9	844.1	842.5
7.5°	1164.5	1129.6	1052.7	969.1	882.7	804.2	737.6	690.5	647.1	626.4	623.3
10°	1151.0	1101.1	990.8	874.9	755.6	644.7	545.6	462.8	412.5	382.6	378.9
12.5°	1138.4	1073.1	927.7	777.2	618.6	470.3	343.0	263.9	211.1	189.8	187.2
15°	1132.5	1050.5	868.6	677.3	475.3	299.4	187.5	145.2	127.9	122.9	122.5
17.5°	1131.9	1031.3	810.8	574.0	333.0	174.0	122.2	111.5	108.0	106.8	106.8
20°	1131.6	1013.1	753.0	466.8	211.4	115.9	101.8	99.2	96.8	95.1	95.1
22.5°	1135.0	996.8	692.6	357.5	133.2	93.9	89.5	87.1	83.9	81.6	81.3
25°	1138.4	984.2	631.2	254.4	96.5	81.6	77.2	73.9	69.5	66.6	66.3
27.5°	1139.1	968.5	565.2	170.2	80.7	71.3	65.7	60.4	55.2	52.5	52.2
30°	1129.6	942.1	491.9	115.0	71.3	61.9	54.3	48.7	44.0	41.7	41.7
32.5°	1111.1	909.4	411.5	86.7	63.4	53.1	44.9	39.6	36.4	35.5	35.2
35°	1094.5	874.2	328.9	73.6	56.9	44.9	36.7	33.3	31.4	31.1	30.8
37.5°	1084.7	846.0	251.3	66.6	50.5	37.7	31.1	28.5	27.6	27.0	27.3
40°	1092.3	822.5	185.7	61.0	44.3	31.4	26.4	25.2	24.1	23.8	23.8
42.5°	1125.2	818.4	137.9	56.0	38.4	26.1	22.9	22.0	21.4	21.1	21.4
45°	1212.0	843.5	107.1	51.2	32.3	22.0	19.4	19.1	18.8	18.8	18.8
47.5°	1342.3	895.3	89.2	45.8	27.0	18.8	17.0	16.7	16.4	16.7	16.7
50°	1563.2	990.2	79.8	40.5	22.3	16.1	14.4	14.4	14.4	14.4	14.7
52.5°	1899.0	1176.8	73.6	35.2	18.2	13.5	12.3	12.3	12.6	12.6	12.9
55°	2273.1	1424.4	67.8	29.9	15.3	11.4	10.0	10.3	10.6	10.9	10.9
57.5°	2679.0	1698.6	63.1	24.6	13.2	9.1	8.5	8.8	9.1	9.7	9.7
60°	3168.8	1995.5	56.3	19.1	10.9	7.3	6.5	7.3	8.2	8.8	9.1
62.5°	3706.6	2282.6	47.5	15.0	9.1	5.6	5.3	6.5	7.9	8.5	8.8
65°	4074.1	2372.7	36.4	12.3	7.0	4.1	4.4	5.9	7.6	8.5	8.5
67°	3925.3	2151.3	29.9	10.3	5.6	3.2	4.1	5.9	7.6	8.2	8.5
67.5°	3821.8	2064.5	28.5	10.0	5.3	3.2	4.1	5.9	7.6	8.5	8.5
70°	3109.7	1550.9	23.8	7.6	4.4	2.9	3.5	5.6	7.3	8.2	8.2
72.5°	2160.7	956.3	21.4	5.3	3.8	2.6	3.2	5.3	7.0	7.9	8.2
75°	1027.2	346.2	18.2	4.1	3.5	2.1	2.9	5.3	7.0	7.9	7.9
77.5°	209.5	80.4	14.7	3.5	2.9	2.1	2.6	5.0	6.5	7.6	7.6
80°	68.8	31.1	10.9	3.2	2.9	2.1	2.6	4.7	6.5	7.3	7.6
82.5°	49.6	15.8	7.3	3.2	2.9	2.1	2.1	4.7	6.2	7.3	7.3
85°	38.1	10.9	4.7	3.2	2.9	2.1	2.1	4.4	5.9	7.0	7.0
87.5°	25.2	4.4	3.8	3.2	2.9	2.1	2.1	4.4	5.6	6.5	7.0
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)