

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: P200584

Luminaire Tested: **GPC-AF-02-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-RW-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10362 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

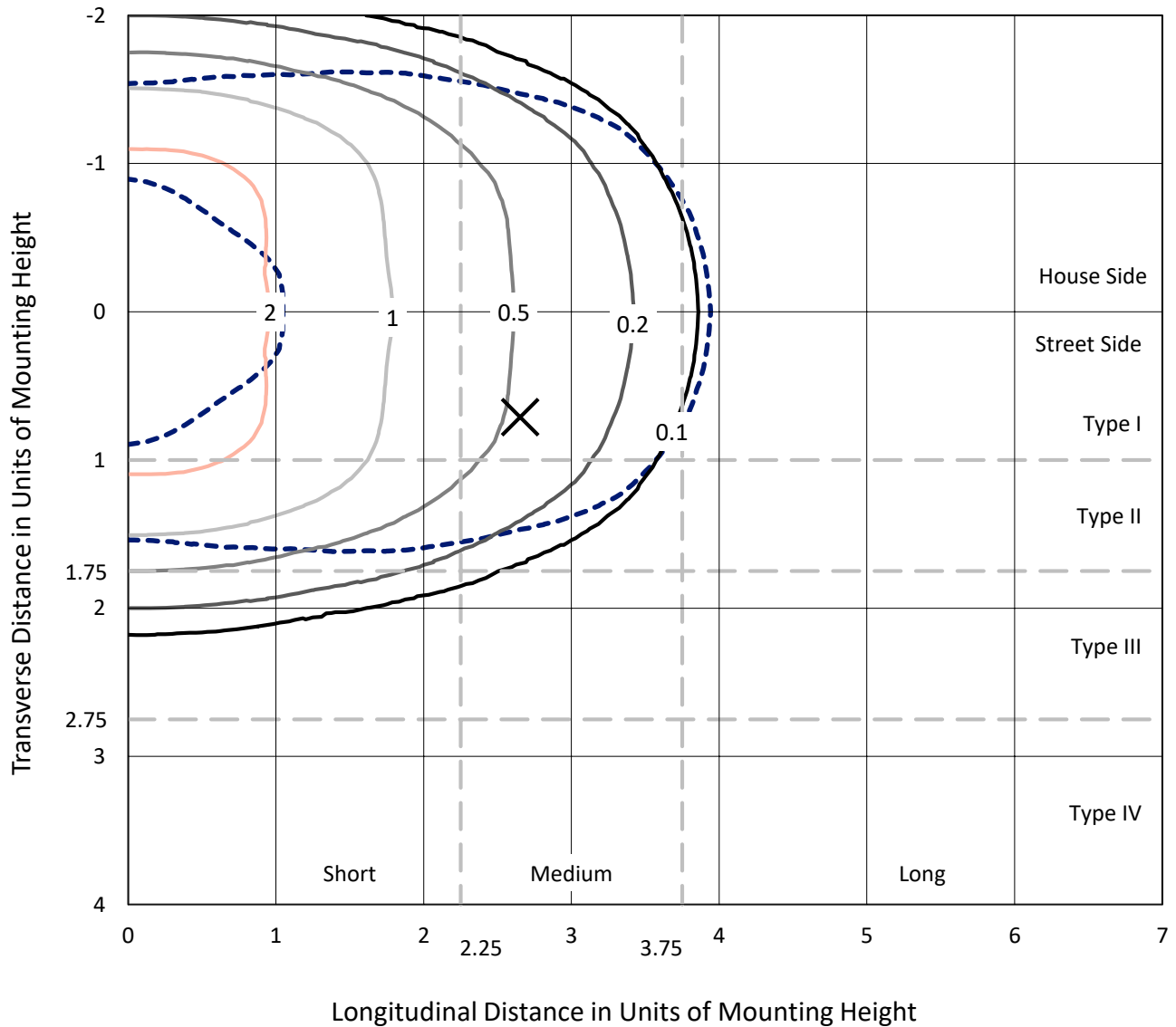
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

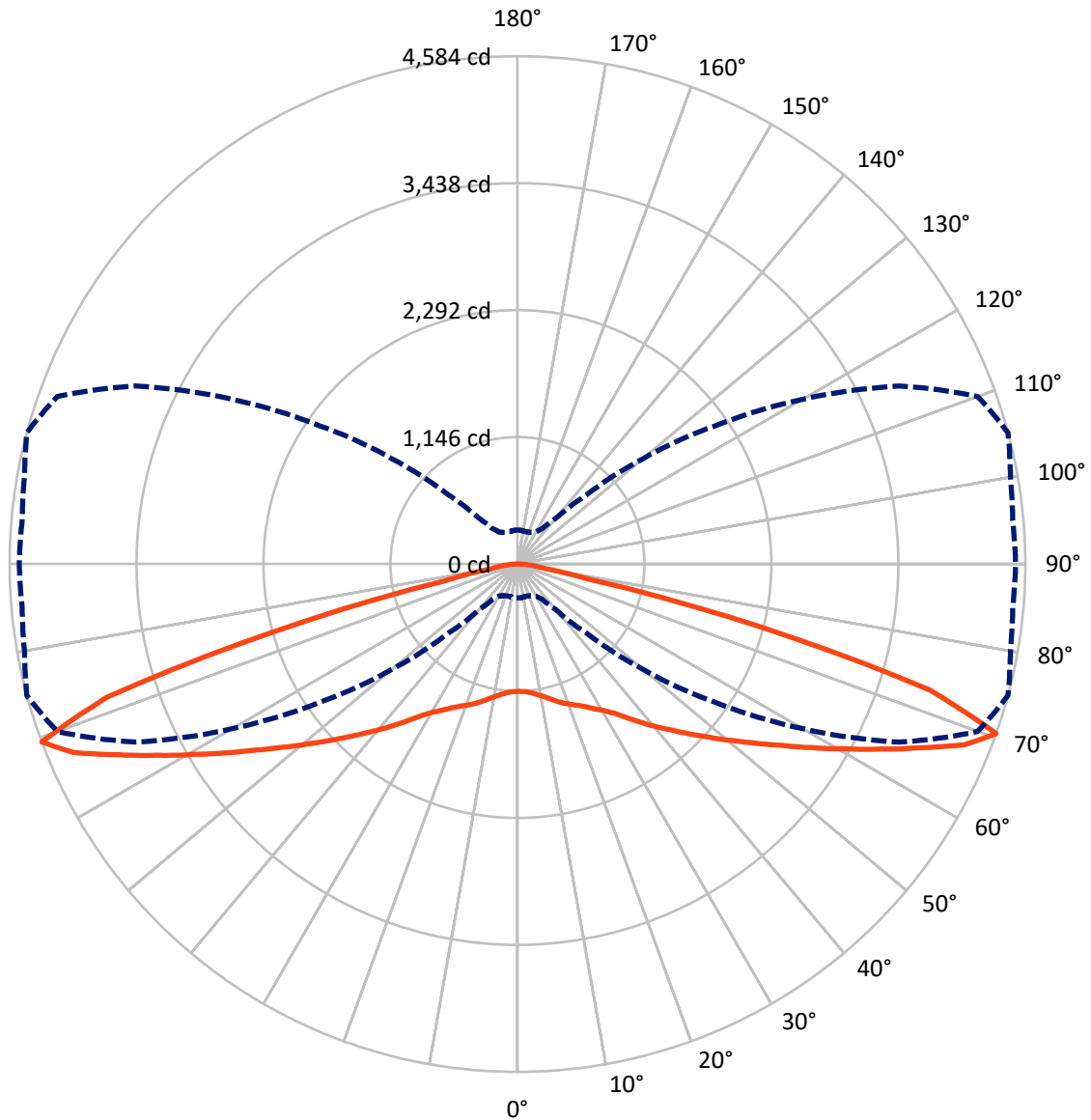
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5181.0	0.0	5181.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5181.0	0.0	5181.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10362.0	0.0	10362.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.1
10°-20°	342.5	3.3
20°-30°	644.7	6.2
30°-40°	1141.6	11.0
40°-50°	1909.1	18.4
50°-60°	2660.3	25.7
60°-70°	2467.0	23.8
70°-80°	983.2	9.5
80°-90°	103.3	1.0
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°	10362.0	100.0
0°-180°	10362.0	100.0



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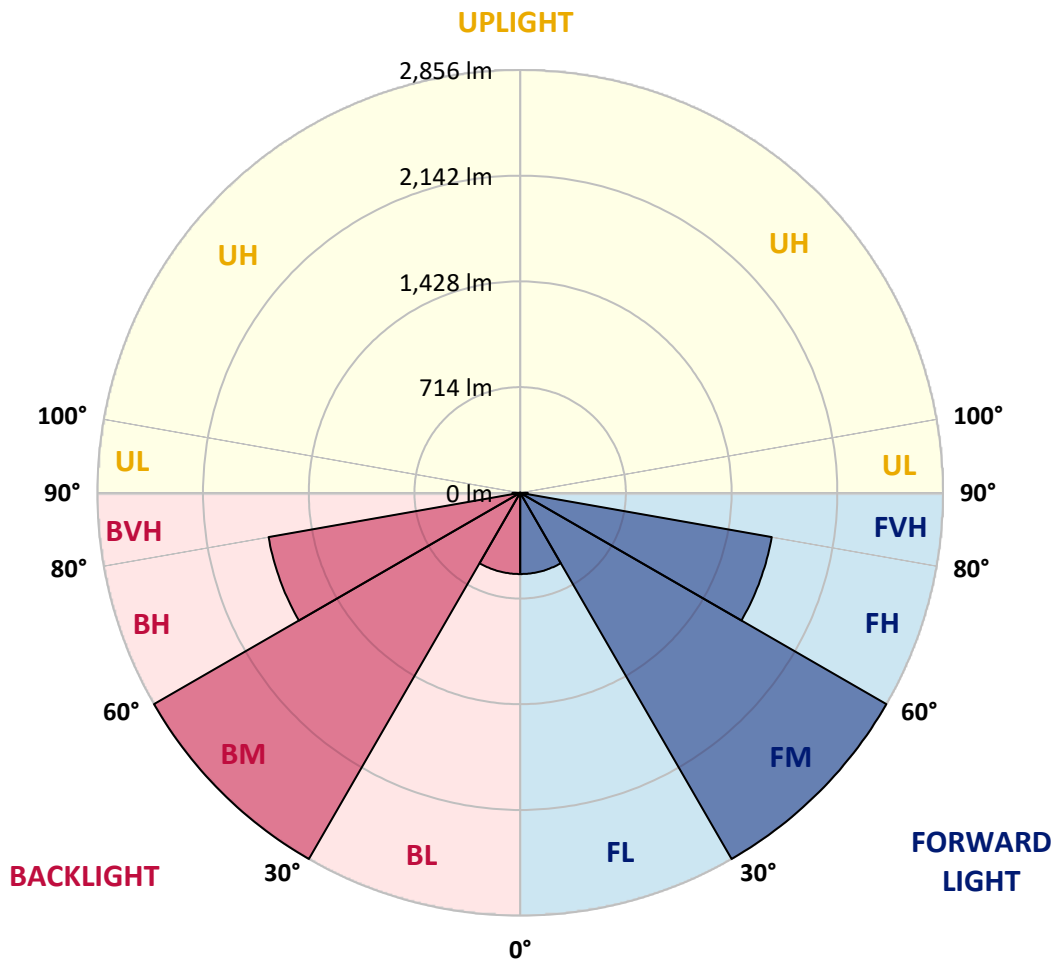
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.7	5.3			
FM	(30°-60°)	2855.5	27.6			
FH	(60°-80°)	1725.1	16.6			G1/1800
FVH	(80°-90°)	51.7	0.5			G1/100
BL	(0°-30°)	548.7	5.3	B2/1000		
BM	(30°-60°)	2855.5	27.6	B3/5000		
BH	(60°-80°)	1725.1	16.6	B3/2500		G3/2500
BVH	(80°-90°)	51.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1147.4	1146.4	1147.4	1146.9	1147.9	1147.9	1148.9	1150.9	1150.9	1152.3	1151.8
5°	1136.2	1135.7	1137.1	1138.6	1140.1	1143.0	1146.0	1150.4	1153.8	1156.2	1158.7
7.5°	1114.1	1114.1	1116.1	1119.5	1122.9	1129.3	1136.2	1145.0	1153.8	1161.1	1167.5
10°	1096.0	1097.0	1099.4	1105.3	1111.2	1121.0	1130.3	1143.0	1155.3	1167.5	1177.3
12.5°	1085.2	1086.7	1091.1	1099.9	1109.7	1122.9	1137.1	1153.3	1167.0	1181.7	1191.5
15°	1088.7	1089.6	1096.0	1106.8	1119.5	1136.2	1155.3	1174.4	1190.5	1206.2	1219.4
17.5°	1107.8	1109.2	1116.6	1128.8	1142.0	1161.6	1182.2	1203.7	1223.8	1241.5	1257.6
20°	1142.0	1143.5	1152.8	1166.0	1181.7	1201.8	1222.4	1244.9	1267.4	1286.0	1304.1
22.5°	1190.5	1193.0	1201.8	1215.0	1232.6	1254.2	1278.7	1302.7	1324.2	1341.4	1357.5
25°	1254.2	1259.6	1267.9	1282.6	1301.2	1320.8	1347.2	1371.7	1392.3	1408.5	1420.2
27.5°	1344.3	1351.6	1358.0	1372.2	1390.3	1408.9	1435.4	1456.9	1476.5	1492.2	1501.0
30°	1463.8	1471.1	1477.5	1491.2	1507.9	1525.5	1550.5	1569.6	1581.8	1594.1	1593.6
32.5°	1608.8	1616.6	1619.0	1633.7	1650.9	1670.0	1692.5	1703.3	1713.1	1714.5	1705.7
35°	1770.8	1774.8	1784.6	1804.2	1823.7	1839.4	1861.0	1866.3	1866.3	1859.0	1839.4
37.5°	1948.6	1951.1	1964.8	1986.8	2006.9	2023.1	2037.8	2048.5	2043.1	2027.5	1994.7
40°	2143.5	2147.9	2167.5	2187.1	2209.6	2224.8	2240.5	2242.5	2237.1	2214.1	2169.5
42.5°	2329.6	2333.5	2353.1	2384.0	2413.4	2434.4	2449.1	2452.1	2434.9	2413.9	2358.5
45°	2489.8	2500.1	2525.5	2561.8	2604.4	2634.2	2654.3	2662.6	2647.5	2620.0	2555.9
47.5°	2616.6	2626.9	2663.1	2706.2	2759.1	2807.6	2840.9	2858.5	2854.6	2834.0	2764.0
50°	2709.7	2719.4	2758.6	2811.5	2873.2	2933.5	2990.3	3032.4	3047.1	3037.8	2973.6
52.5°	2720.4	2736.6	2782.6	2853.6	2933.9	3016.2	3097.0	3168.5	3217.0	3224.4	3176.9
55°	2570.1	2586.2	2649.9	2755.2	2874.7	3008.9	3138.2	3258.6	3354.1	3403.1	3378.1
57.5°	2215.5	2244.4	2311.5	2434.9	2610.7	2811.5	3017.7	3231.7	3426.1	3555.9	3580.9
60°	1697.9	1732.2	1799.7	1931.0	2126.9	2366.4	2641.6	2957.9	3301.2	3593.1	3767.5
62.5°	1089.2	1121.5	1192.5	1306.6	1466.2	1725.8	2021.1	2396.7	2858.0	3318.9	3734.2
65°	559.8	577.4	614.6	683.7	808.0	1002.0	1266.9	1641.6	2169.0	2737.6	3338.0
67.5°	354.6	358.0	366.3	376.1	407.9	475.0	598.4	832.0	1265.9	1859.0	2561.8
70°	306.6	306.6	302.7	301.2	305.1	314.4	333.5	387.9	534.3	882.5	1477.5
72.5°	280.6	277.7	270.8	265.4	264.5	264.5	268.4	276.7	300.2	359.5	578.4
75°	258.6	250.3	240.9	234.6	232.1	229.7	229.2	230.7	235.6	244.9	276.2
77.5°	231.6	220.9	210.1	203.7	200.8	197.4	194.4	191.0	188.5	191.5	205.2
80°	199.3	187.1	178.8	174.8	171.9	167.0	160.6	154.8	149.4	148.4	156.7
82.5°	160.6	146.4	146.9	148.4	143.0	136.1	129.3	122.9	113.6	108.7	113.6
85°	129.8	122.4	119.0	128.3	120.5	110.2	99.4	88.2	73.5	61.7	67.1
87.5°	50.4	50.4	75.4	116.1	104.3	85.2	73.0	62.2	38.7	29.9	30.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1151.3	1152.3	1151.8	1151.3	1151.3	1150.9	1151.3	1151.3
5°	1160.2	1162.6	1162.6	1163.6	1163.6	1164.1	1164.6	1164.1
7.5°	1173.4	1177.8	1180.7	1184.2	1184.6	1185.1	1186.1	1185.1
10°	1186.6	1195.4	1201.8	1208.2	1211.1	1212.1	1213.1	1213.1
12.5°	1203.3	1215.5	1226.8	1238.0	1243.4	1246.4	1246.4	1248.3
15°	1230.7	1242.9	1256.1	1271.3	1280.6	1285.5	1287.0	1287.0
17.5°	1269.4	1280.1	1291.4	1306.1	1317.9	1324.2	1325.7	1325.2
20°	1314.4	1324.7	1331.1	1340.4	1350.7	1358.0	1360.0	1360.0
22.5°	1365.8	1371.7	1372.7	1375.6	1384.0	1393.8	1398.2	1399.1
25°	1422.7	1424.1	1420.2	1420.2	1425.6	1434.9	1439.3	1439.8
27.5°	1496.1	1488.8	1479.0	1475.5	1479.0	1489.7	1495.1	1497.1
30°	1587.7	1570.1	1547.5	1535.3	1533.3	1547.5	1557.3	1558.8
32.5°	1692.5	1667.0	1637.2	1612.2	1605.8	1614.6	1626.4	1625.9
35°	1816.9	1786.5	1750.3	1718.4	1703.8	1712.6	1729.2	1731.2
37.5°	1960.4	1920.7	1879.1	1838.9	1815.9	1818.4	1836.0	1841.9
40°	2120.5	2069.1	2016.7	1962.8	1930.0	1923.6	1945.2	1948.6
42.5°	2291.9	2225.8	2159.7	2093.1	2051.0	2041.2	2066.2	2064.7
45°	2474.6	2390.4	2313.0	2239.5	2189.6	2174.9	2195.4	2195.4
47.5°	2671.0	2567.1	2475.1	2391.8	2337.5	2316.4	2336.0	2337.5
50°	2879.1	2768.9	2660.7	2568.1	2503.0	2476.1	2501.5	2505.4
52.5°	3086.3	2979.0	2869.8	2764.0	2685.2	2652.4	2681.7	2694.5
55°	3296.3	3191.1	3086.7	2983.4	2889.9	2851.2	2882.5	2898.7
57.5°	3518.2	3420.7	3321.3	3217.0	3126.9	3066.7	3100.0	3121.5
60°	3778.2	3695.0	3591.7	3476.6	3385.5	3324.3	3343.4	3362.5
62.5°	3983.9	4016.2	3928.6	3795.4	3678.3	3600.0	3618.6	3638.7
65°	3884.5	4216.1	4293.9	4159.2	3997.1	3875.2	3867.4	3877.7
67.5°	3246.9	3890.9	4360.5	4488.8	4353.2	4183.7	4152.4	4167.6
70°	2171.9	2974.1	3802.7	4419.8	4583.8	4518.2	4487.4	4496.7
72.5°	1043.1	1732.2	2579.9	3400.2	3899.7	4128.9	4202.3	4238.1
75°	381.5	687.6	1243.4	1873.7	2262.0	2618.6	2851.2	2946.2
77.5°	230.2	277.7	397.2	598.0	677.3	758.1	726.8	742.4
80°	170.4	192.5	217.9	244.9	253.7	253.7	243.9	236.0
82.5°	119.5	133.7	145.9	160.6	164.5	157.2	129.3	102.8
85°	76.9	83.3	88.6	97.9	95.5	91.1	61.2	54.4
87.5°	35.3	40.2	42.1	46.5	44.6	42.6	30.4	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)