

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: P200586

Luminaire Tested: **GPC-AF-02-LED-E1-RW-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200586
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-8030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11367 lumens
Efficiency: N/A
Efficacy: 88.1 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

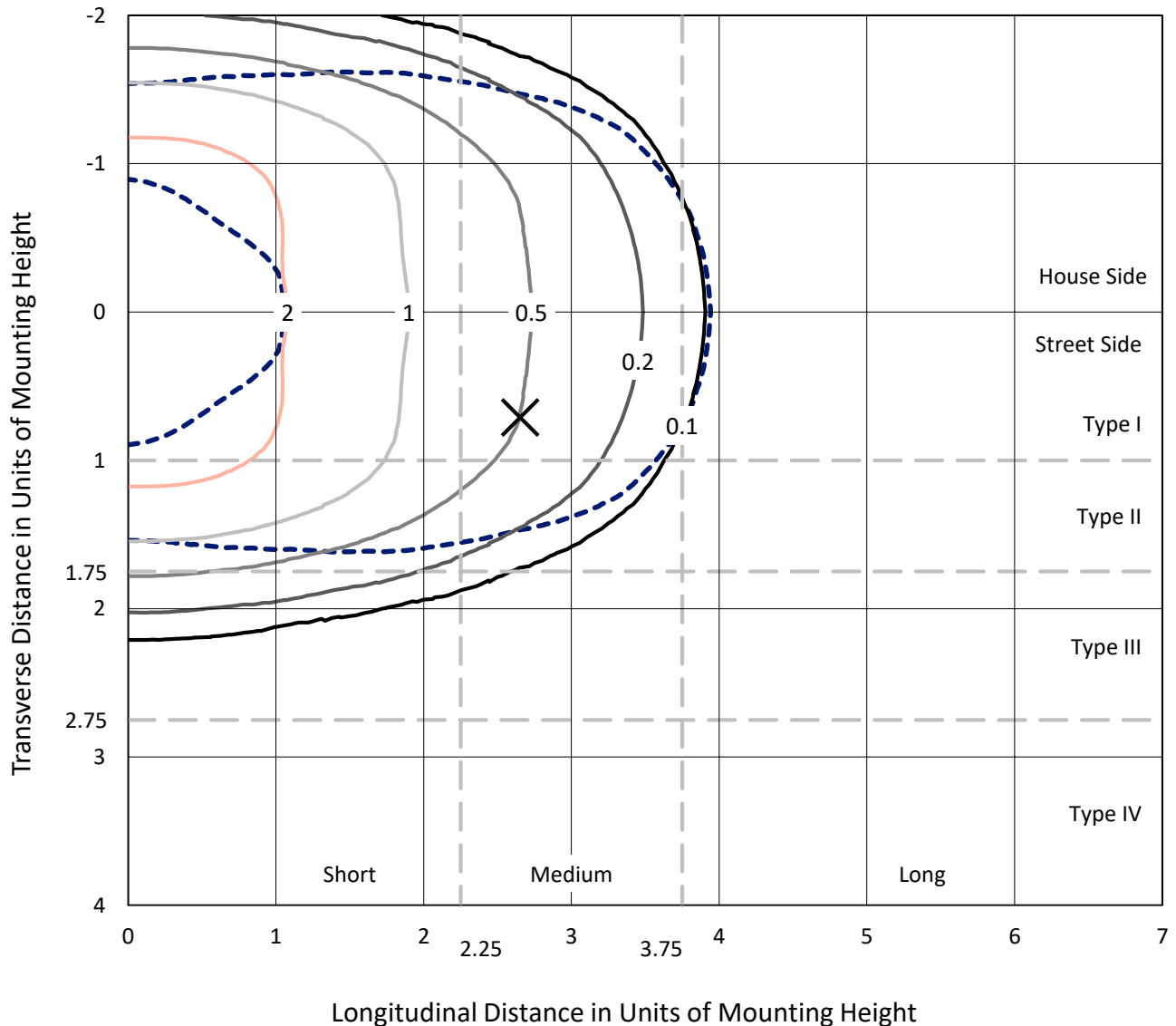
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

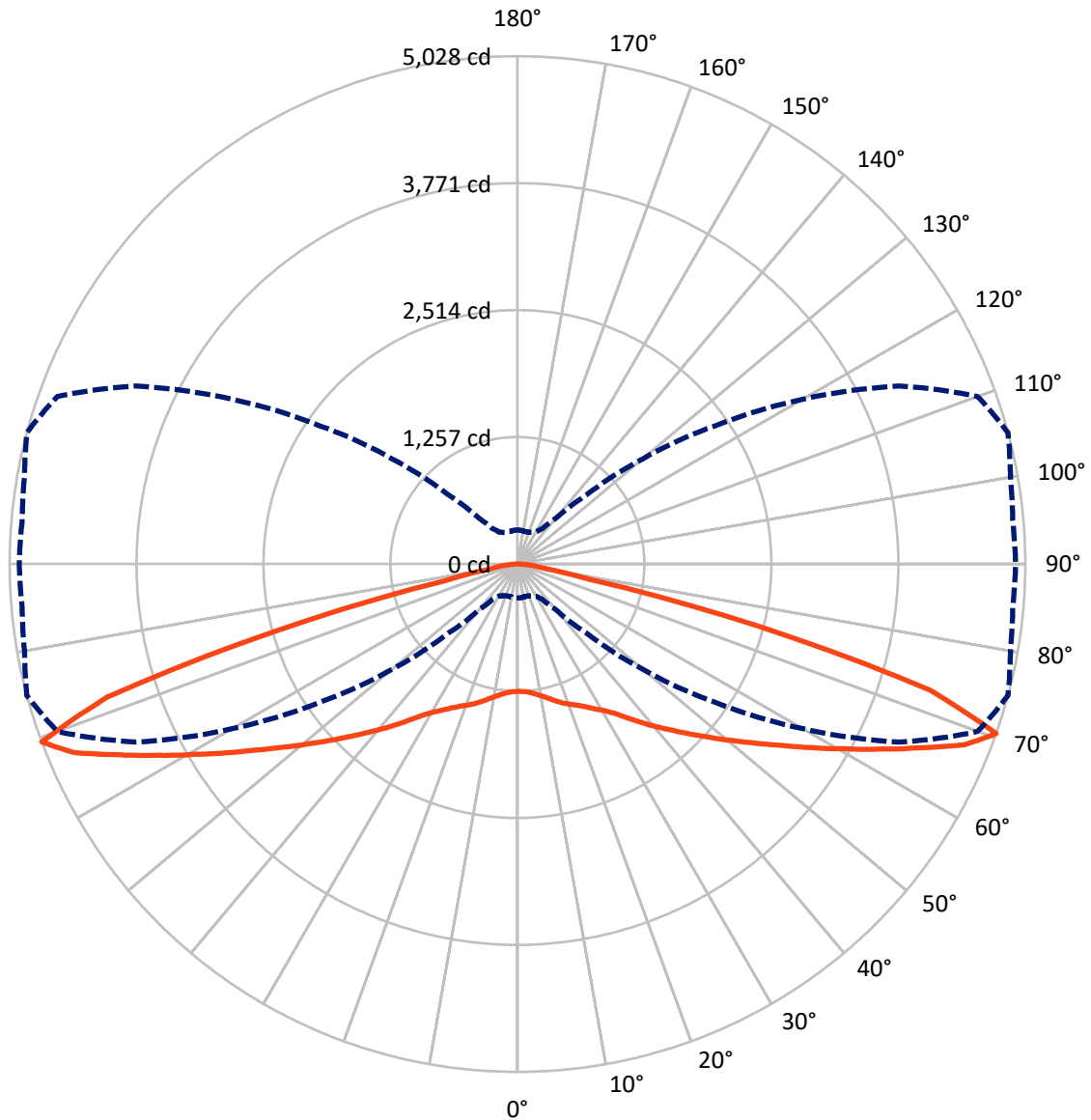
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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	5683.5	0.0	5683.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5683.5	0.0	5683.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11367.0	0.0	11367.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.1
10°-20°	375.7	3.3
20°-30°	707.2	6.2
30°-40°	1252.3	11.0
40°-50°	2094.3	18.4
50°-60°	2918.4	25.7
60°-70°	2706.3	23.8
70°-80°	1078.5	9.5
80°-90°	113.4	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°	11367.0	100.0
0°-180°	11367.0	100.0



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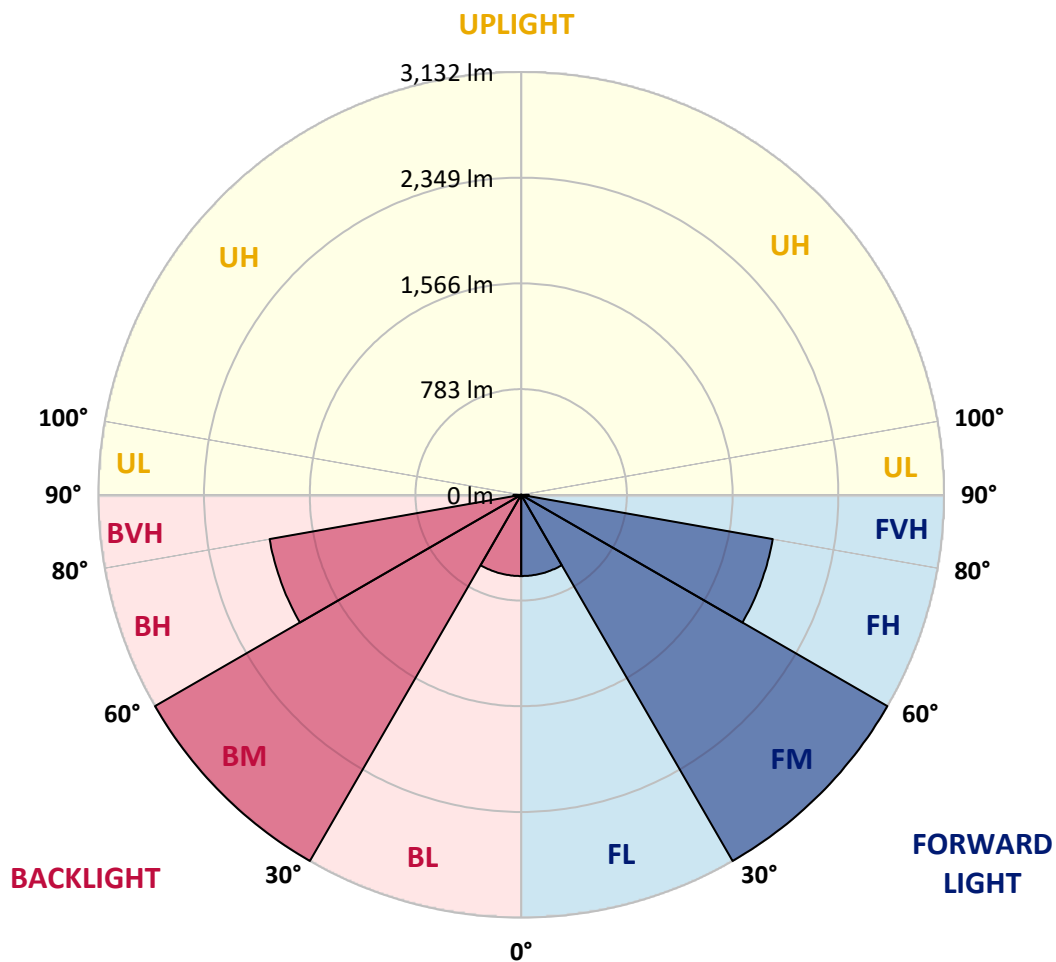
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.9	5.3			
FM	(30°-60°)	3132.5	27.6			
FH	(60°-80°)	1892.4	16.6			G2/5000
FVH	(80°-90°)	56.7	0.5			G1/100
BL	(0°-30°)	601.9	5.3	B2/1000		
BM	(30°-60°)	3132.5	27.6	B3/5000		
BH	(60°-80°)	1892.4	16.6	B3/2500		G3/2500
BVH	(80°-90°)	56.7	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°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9
2.5°	1258.7	1257.6	1258.7	1258.2	1259.3	1259.3	1260.3	1262.5	1262.5	1264.1	1263.6
5°	1246.4	1245.8	1247.4	1249.0	1250.7	1253.9	1257.1	1261.9	1265.7	1268.4	1271.1
7.5°	1222.2	1222.2	1224.3	1228.1	1231.9	1238.8	1246.4	1256.0	1265.7	1273.8	1280.7
10°	1202.3	1203.4	1206.1	1212.5	1219.0	1229.7	1239.9	1253.9	1267.3	1280.7	1291.5
12.5°	1190.5	1192.1	1196.9	1206.6	1217.4	1231.9	1247.4	1265.2	1280.2	1296.3	1307.1
15°	1194.2	1195.3	1202.3	1214.1	1228.1	1246.4	1267.3	1288.3	1306.0	1323.2	1337.7
17.5°	1215.2	1216.8	1224.9	1238.3	1252.8	1274.3	1296.9	1320.5	1342.5	1361.9	1379.6
20°	1252.8	1254.4	1264.6	1279.1	1296.3	1318.3	1340.9	1365.6	1390.3	1410.8	1430.6
22.5°	1306.0	1308.7	1318.3	1332.9	1352.2	1375.8	1402.7	1429.0	1452.7	1471.5	1489.2
25°	1375.8	1381.7	1390.9	1407.0	1427.4	1448.9	1477.9	1504.8	1527.3	1545.1	1558.0
27.5°	1474.7	1482.7	1489.7	1505.3	1525.2	1545.6	1574.6	1598.2	1619.7	1636.9	1646.6
30°	1605.8	1613.8	1620.8	1635.8	1654.1	1673.5	1700.9	1721.8	1735.2	1748.7	1748.1
32.5°	1764.8	1773.4	1776.1	1792.2	1811.0	1831.9	1856.6	1868.5	1879.2	1880.8	1871.2
35°	1942.6	1946.9	1957.6	1979.1	2000.6	2017.8	2041.5	2047.4	2047.4	2039.3	2017.8
37.5°	2137.6	2140.3	2155.3	2179.5	2201.5	2219.3	2235.4	2247.2	2241.3	2224.1	2188.1
40°	2351.4	2356.3	2377.8	2399.2	2424.0	2440.6	2457.8	2459.9	2454.0	2428.8	2379.9
42.5°	2555.6	2559.9	2581.4	2615.2	2647.4	2670.5	2686.7	2689.9	2671.1	2648.0	2587.3
45°	2731.2	2742.5	2770.5	2810.2	2857.0	2889.7	2911.8	2920.9	2904.2	2874.1	2803.8
47.5°	2870.4	2881.7	2921.4	2968.7	3026.7	3079.9	3116.4	3135.8	3131.5	3108.9	3032.1
50°	2972.5	2983.2	3026.2	3084.2	3151.9	3218.0	3280.3	3326.5	3342.6	3332.4	3262.0
52.5°	2984.3	3002.0	3052.5	3130.4	3218.5	3308.8	3397.4	3475.8	3529.0	3537.1	3485.0
55°	2819.4	2837.1	2906.9	3022.4	3153.5	3300.7	3442.5	3574.7	3679.4	3733.2	3705.8
57.5°	2430.4	2462.1	2535.7	2671.1	2863.9	3084.2	3310.4	3545.1	3758.4	3900.8	3928.2
60°	1862.6	1900.2	1974.3	2118.3	2333.2	2595.9	2897.8	3244.8	3621.4	3941.6	4132.9
62.5°	1194.8	1230.2	1308.1	1433.3	1608.4	1893.2	2217.1	2629.2	3135.2	3640.8	4096.3
65°	614.0	633.4	674.2	750.0	886.4	1099.2	1389.8	1800.8	2379.4	3003.1	3661.7
67.5°	389.0	392.7	401.8	412.6	447.5	521.1	656.5	912.7	1388.7	2039.3	2810.2
70°	336.3	336.3	332.0	330.4	334.7	344.9	365.8	425.5	586.1	968.1	1620.8
72.5°	307.8	304.6	297.1	291.2	290.1	290.1	294.4	303.5	329.3	394.3	634.5
75°	283.7	274.5	264.3	257.3	254.6	252.0	251.4	253.0	258.4	268.6	303.0
77.5°	254.1	242.3	230.5	223.5	220.3	216.5	213.3	209.5	206.8	210.1	225.1
80°	218.7	205.2	196.1	191.8	188.6	183.2	176.2	169.8	163.9	162.8	171.9
82.5°	176.2	160.6	161.2	162.8	156.9	149.3	141.8	134.8	124.6	119.3	124.6
85°	142.4	134.3	130.5	140.8	132.2	120.9	109.1	96.7	80.6	67.7	73.6
87.5°	55.3	55.3	82.7	127.3	114.4	93.5	80.0	68.2	42.4	32.8	33.3
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°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9
2.5°	1263.0	1264.1	1263.6	1263.0	1263.0	1262.5	1263.0	1263.0
5°	1272.7	1275.4	1275.4	1276.4	1276.4	1277.0	1277.5	1277.0
7.5°	1287.2	1292.0	1295.2	1299.0	1299.5	1300.1	1301.2	1300.1
10°	1301.7	1311.4	1318.3	1325.3	1328.6	1329.6	1330.7	1330.7
12.5°	1320.0	1333.4	1345.7	1358.1	1364.0	1367.2	1367.2	1369.4
15°	1350.0	1363.5	1378.0	1394.6	1404.8	1410.2	1411.8	1411.8
17.5°	1392.5	1404.3	1416.7	1432.8	1445.7	1452.7	1454.3	1453.7
20°	1441.9	1453.2	1460.2	1470.4	1481.7	1489.7	1491.9	1491.9
22.5°	1498.3	1504.8	1505.8	1509.1	1518.2	1528.9	1533.8	1534.8
25°	1560.6	1562.2	1558.0	1558.0	1563.9	1574.1	1578.9	1579.4
27.5°	1641.2	1633.2	1622.4	1618.7	1622.4	1634.2	1640.1	1642.3
30°	1741.7	1722.3	1697.6	1684.2	1682.0	1697.6	1708.4	1710.0
32.5°	1856.6	1828.7	1795.9	1768.5	1761.6	1771.2	1784.1	1783.6
35°	1993.1	1959.8	1920.0	1885.1	1869.0	1878.7	1896.9	1899.1
37.5°	2150.5	2107.0	2061.3	2017.3	1992.0	1994.7	2014.1	2020.5
40°	2326.2	2269.8	2212.3	2153.2	2117.2	2110.2	2133.9	2137.6
42.5°	2514.2	2441.7	2369.2	2296.1	2249.9	2239.2	2266.5	2264.9
45°	2714.6	2622.2	2537.3	2456.7	2401.9	2385.8	2408.4	2408.4
47.5°	2930.0	2816.1	2715.1	2623.8	2564.2	2541.1	2562.6	2564.2
50°	3158.3	3037.5	2918.7	2817.2	2745.8	2716.2	2744.1	2748.4
52.5°	3385.6	3267.9	3148.1	3032.1	2945.6	2909.6	2941.8	2955.8
55°	3616.1	3500.6	3386.1	3272.8	3170.2	3127.7	3162.1	3179.8
57.5°	3859.4	3752.5	3643.5	3529.0	3430.2	3364.1	3400.6	3424.3
60°	4144.7	4053.4	3940.0	3813.8	3713.8	3646.7	3667.6	3688.6
62.5°	4370.3	4405.8	4309.6	4163.5	4035.1	3949.1	3969.5	3991.6
65°	4261.3	4625.0	4710.4	4562.6	4384.8	4251.1	4242.5	4253.7
67.5°	3561.8	4268.2	4783.4	4924.2	4775.4	4589.5	4555.1	4571.8
70°	2382.6	3262.6	4171.5	4848.4	5028.4	4956.4	4922.6	4932.8
72.5°	1144.3	1900.2	2830.1	3729.9	4277.9	4529.3	4609.9	4649.1
75°	418.5	754.3	1364.0	2055.4	2481.4	2872.5	3127.7	3231.9
77.5°	252.5	304.6	435.7	656.0	743.0	831.6	797.2	814.4
80°	187.0	211.1	239.1	268.6	278.3	278.3	267.5	258.9
82.5°	131.1	146.7	160.1	176.2	180.5	172.4	141.8	112.8
85°	84.3	91.3	97.2	107.4	104.8	99.9	67.2	59.6
87.5°	38.7	44.1	46.2	51.0	48.9	46.7	33.3	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)