

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: P200604

Luminaire Tested: **GPC-AF-02-LED-E1-SL3-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
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-SL3-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5706 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

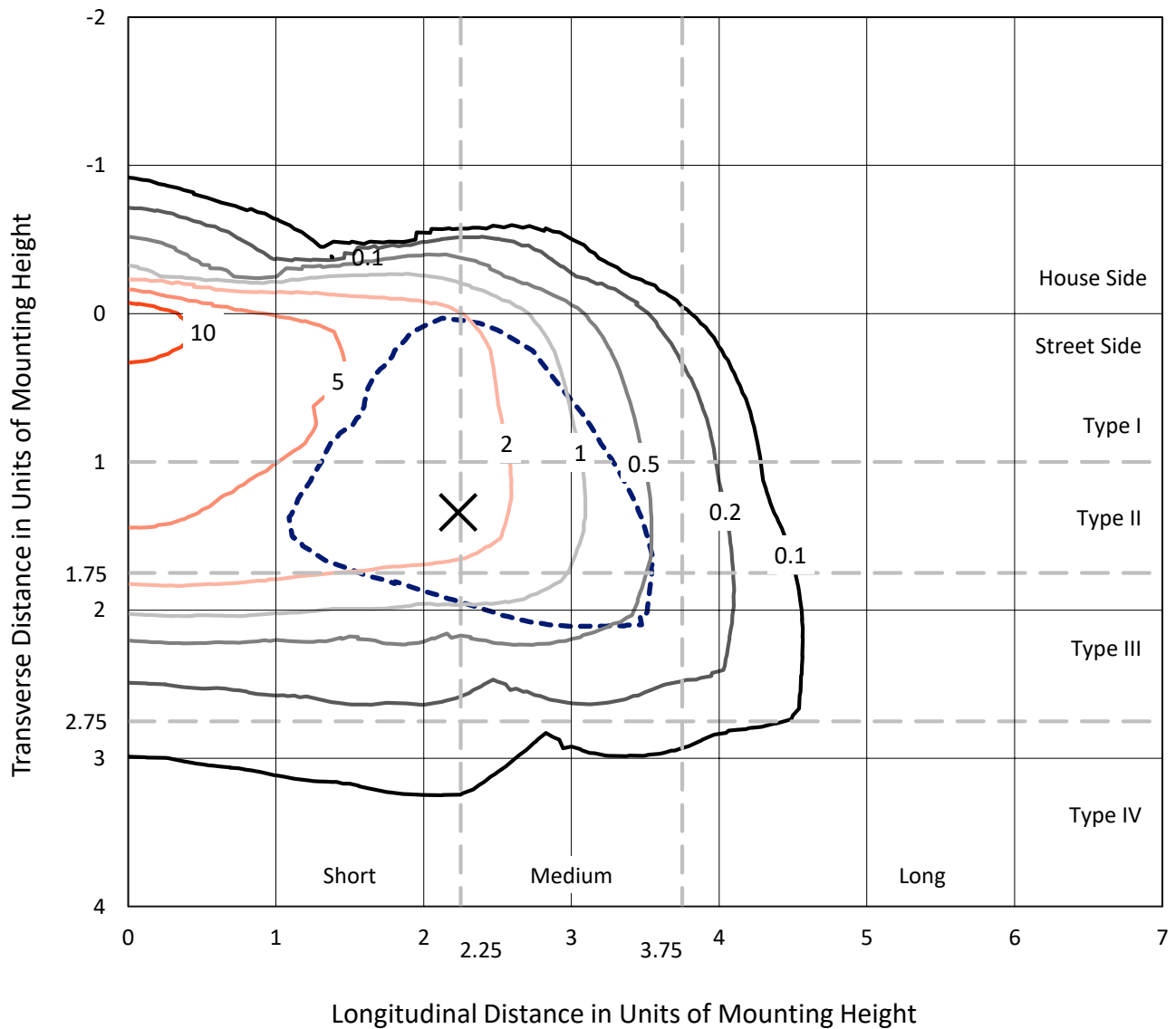


REPORT NUMBER: P200604

CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-8030-600-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

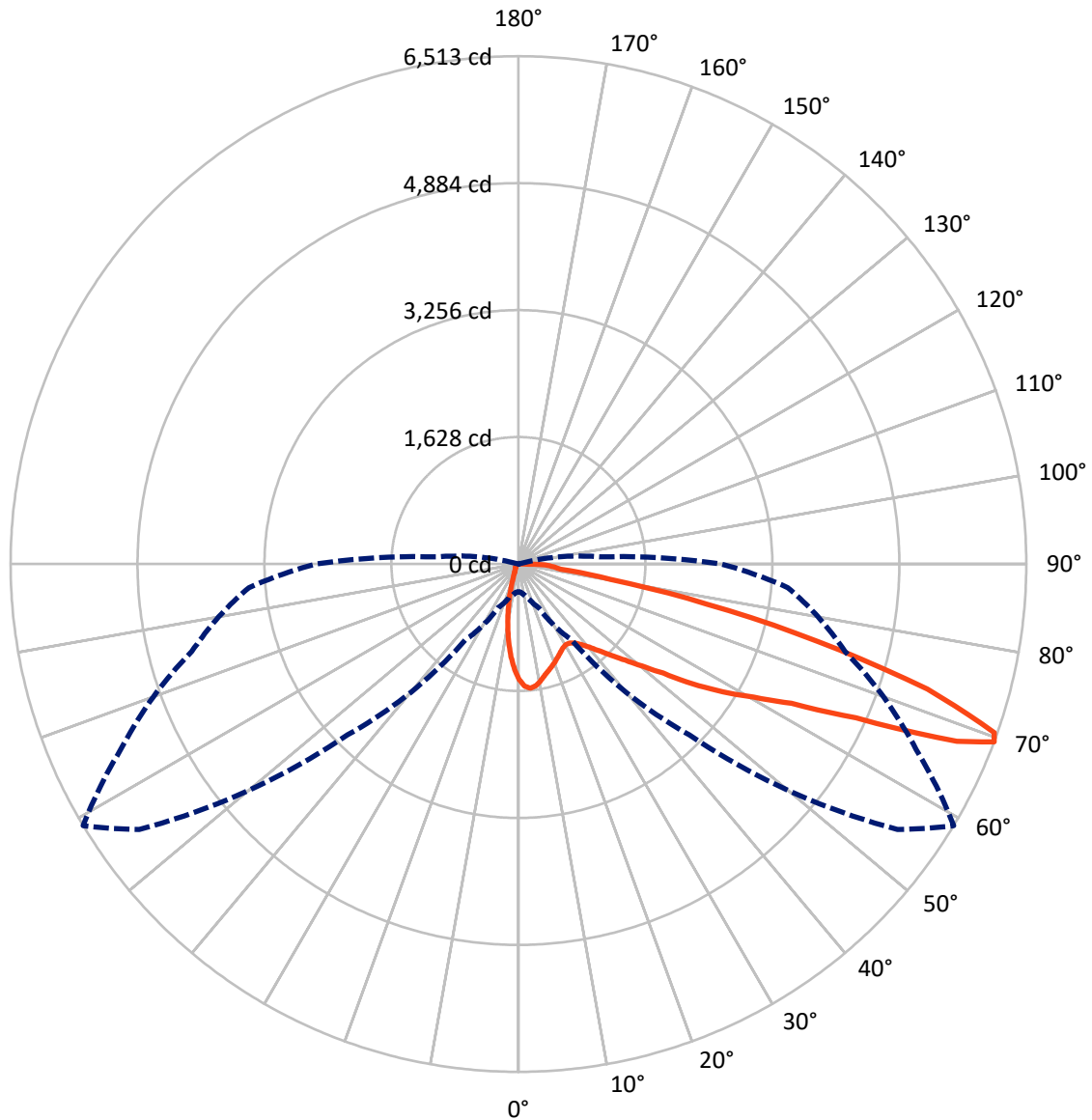


Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P200604

CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-8030-600-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P200604

CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-8030-600-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.7	0.0	464.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5241.3	0.0	5241.3
	% Fixture	91.9	0.0	91.9
Total	Lumens	5706.0	0.0	5706.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	2.1
10°-20°	249.1	4.4
20°-30°	335.2	5.9
30°-40°	486.7	8.5
40°-50°	810.4	14.2
50°-60°	1264.1	22.2
60°-70°	1564.3	27.4
70°-80°	792.8	13.9
80°-90°	82.9	1.5
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°	5706.0	100.0
0°-180°	5706.0	100.0



REPORT NUMBER: P200604

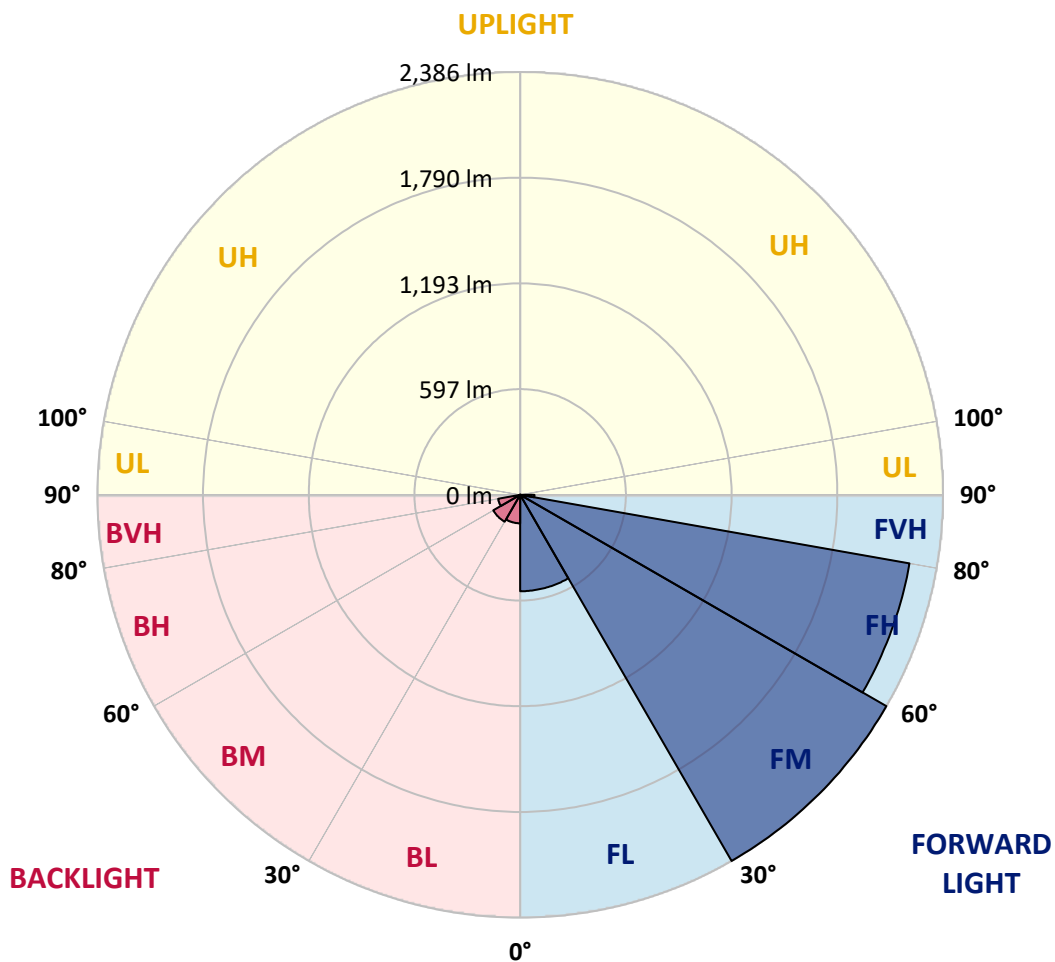
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.0	9.5			
FM	(30°-60°)	2386.1	41.8			
FH	(60°-80°)	2230.8	39.1			G2/5000
FVH	(80°-90°)	80.4	1.4			G1/100
BL	(0°-30°)	160.8	2.8	B1/500		
BM	(30°-60°)	175.1	3.1	B0/220		
BH	(60°-80°)	126.2	2.2	B1/500		G1/500
BVH	(80°-90°)	2.6	0.0			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 III Short





REPORT NUMBER: P200604

CATALOG NUMBER: GPC-AF-02-LED-E1-SL3-8030-600-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2
2.5°	1627.8	1627.2	1620.1	1616.8	1611.0	1598.8	1579.7	1569.7	1553.6	1525.5	1487.8
5°	1613.0	1620.7	1624.9	1625.2	1629.4	1624.9	1607.8	1599.4	1577.2	1532.0	1464.2
7.5°	1512.3	1515.2	1527.1	1537.5	1557.5	1576.5	1582.6	1579.1	1565.9	1517.5	1427.4
10°	1404.5	1407.4	1421.6	1435.2	1462.3	1491.6	1522.6	1529.1	1534.6	1496.8	1391.9
12.5°	1311.6	1314.5	1329.0	1346.8	1378.4	1414.5	1462.6	1473.3	1497.5	1477.1	1363.6
15°	1231.6	1232.9	1247.1	1269.0	1306.8	1353.2	1407.8	1424.9	1462.0	1463.3	1338.7
17.5°	1163.5	1166.7	1175.4	1196.4	1237.7	1295.1	1358.7	1383.2	1426.8	1451.6	1314.5
20°	1121.9	1125.1	1124.8	1136.4	1173.5	1234.8	1309.7	1339.0	1391.9	1439.7	1292.9
22.5°	1113.8	1113.8	1105.4	1103.8	1125.8	1177.1	1258.7	1294.5	1360.6	1434.5	1277.7
25°	1142.5	1141.2	1120.3	1103.2	1104.1	1134.8	1209.3	1251.9	1334.2	1438.1	1269.7
27.5°	1203.2	1201.6	1175.1	1142.5	1116.4	1116.1	1171.9	1217.7	1313.2	1454.9	1272.9
30°	1287.1	1286.4	1257.7	1216.7	1169.3	1125.8	1159.0	1200.6	1299.7	1485.2	1280.3
32.5°	1378.7	1377.7	1356.1	1312.9	1252.9	1169.3	1172.5	1207.4	1303.5	1525.5	1298.4
35°	1475.8	1474.2	1464.9	1427.1	1361.0	1249.7	1217.1	1244.2	1328.1	1585.9	1333.9
37.5°	1581.0	1582.6	1589.4	1553.3	1483.9	1362.3	1291.6	1310.0	1377.4	1667.8	1391.6
40°	1736.2	1735.9	1738.2	1690.7	1623.9	1500.0	1395.8	1401.6	1460.0	1776.6	1479.4
42.5°	2017.9	1998.2	1938.5	1841.7	1774.6	1657.5	1527.1	1521.0	1561.0	1911.1	1602.3
45°	2396.4	2354.4	2199.6	2014.0	1928.2	1835.0	1688.8	1669.1	1694.6	2072.8	1754.0
47.5°	2721.9	2678.4	2459.3	2193.4	2091.1	2003.4	1878.2	1842.7	1851.1	2253.8	1946.3
50°	2832.6	2811.3	2620.0	2349.6	2248.9	2215.4	2097.9	2054.7	2042.7	2463.2	2169.2
52.5°	2794.2	2792.6	2665.2	2450.9	2393.5	2434.8	2374.4	2324.4	2280.5	2683.9	2396.1
55°	2732.6	2740.7	2683.5	2539.6	2537.7	2635.1	2752.6	2711.0	2583.8	2923.6	2591.6
57.5°	2562.5	2597.1	2673.2	2707.4	2786.8	2886.5	3067.5	3092.0	2941.7	3107.2	2753.9
60°	2079.2	2155.0	2404.1	2731.6	3107.8	3356.3	3447.6	3468.6	3235.3	3259.8	2973.0
62.5°	1475.8	1553.3	1869.2	2423.2	3112.7	3973.5	4013.9	3931.6	3558.6	3486.0	3350.8
65°	783.4	843.1	1101.2	1749.1	2698.7	4116.8	5004.1	4758.9	4129.0	3930.9	3839.0
67.5°	400.7	418.8	521.4	856.0	1855.3	3656.7	5891.7	6064.3	5112.2	4372.3	3815.4
69°	354.6	365.2	433.3	618.9	1188.0	3097.2	5935.0	6512.5	5626.8	4335.6	3467.3
70°	343.3	352.7	414.6	560.1	928.6	2597.4	5769.4	6473.2	5758.5	4195.5	3207.2
72.5°	291.4	299.4	369.1	495.0	754.7	1289.3	4686.6	5485.2	5167.4	3495.0	2321.5
75°	194.9	221.3	354.3	464.0	702.1	732.4	3089.8	3963.8	3682.2	2357.3	1209.3
77.5°	46.8	50.3	100.0	369.1	642.1	644.7	1589.1	2464.1	2009.8	840.2	285.9
80°	25.2	24.2	28.1	73.2	597.9	605.0	715.3	1196.1	717.6	139.4	94.2
82.5°	17.7	16.8	18.1	30.7	188.1	551.1	517.5	541.4	297.5	53.6	42.3
85°	6.5	6.1	10.0	27.7	59.0	316.8	531.7	446.6	241.0	24.5	31.0
87.5°	2.3	1.9	3.9	15.2	18.1	134.9	328.1	337.5	94.9	14.8	14.5
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°	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2	1485.2
2.5°	1472.0	1452.0	1415.2	1377.4	1342.6	1300.6	1279.7	1259.0	1250.3	1247.1	1231.9
5°	1429.4	1395.5	1317.4	1239.0	1166.7	1089.9	1039.3	998.6	974.7	963.1	944.7
7.5°	1374.8	1319.3	1200.9	1079.9	967.3	856.3	774.1	710.8	667.3	646.3	627.2
10°	1321.9	1248.0	1079.6	914.7	761.8	614.7	501.1	418.8	366.2	342.0	326.5
12.5°	1274.5	1178.7	962.5	753.7	561.7	389.4	273.9	208.4	175.8	164.6	159.1
15°	1232.2	1114.8	851.8	600.8	380.4	222.6	149.7	127.4	122.3	122.3	121.6
17.5°	1192.2	1052.2	745.0	457.2	238.8	136.2	113.9	111.0	111.0	112.3	112.3
20°	1153.8	992.5	641.8	328.1	150.4	108.1	102.9	102.3	102.9	104.5	104.5
22.5°	1120.9	938.3	545.3	225.2	111.6	97.4	94.9	93.9	94.2	95.2	95.8
25°	1096.4	892.5	454.3	152.6	96.2	88.7	85.8	84.2	82.9	82.9	83.6
27.5°	1080.9	853.8	366.2	111.0	86.5	80.7	76.1	73.6	70.7	69.0	69.7
30°	1069.6	817.0	283.6	90.7	77.4	71.6	65.8	61.6	57.4	55.5	56.1
32.5°	1065.4	787.3	212.0	80.0	69.4	62.9	55.8	50.3	45.8	44.2	44.5
35°	1076.7	763.7	155.2	72.3	62.9	54.9	46.8	40.7	37.1	36.1	36.5
37.5°	1106.4	751.1	116.2	65.8	57.1	48.1	39.0	33.2	31.0	31.0	31.3
40°	1162.5	750.8	93.2	61.3	51.9	41.6	32.3	28.1	26.8	27.4	27.7
42.5°	1244.5	767.9	81.3	57.1	47.4	35.5	26.8	23.9	23.6	24.2	24.5
45°	1356.5	799.2	74.9	53.6	42.6	29.7	22.6	20.7	20.7	21.6	21.9
47.5°	1493.6	845.0	69.4	50.0	37.8	24.8	19.4	18.1	18.4	19.4	19.7
50°	1658.8	902.8	63.9	46.1	34.2	20.7	16.8	15.8	16.1	17.4	17.7
52.5°	1846.9	980.6	59.4	42.6	29.7	17.1	14.2	13.6	14.2	15.5	15.8
55°	2008.2	1050.3	53.9	39.7	23.9	14.2	11.6	11.6	12.3	13.9	14.2
57.5°	2163.4	1123.2	49.0	34.2	18.7	11.3	9.7	10.0	11.0	12.6	12.9
60°	2391.2	1246.7	43.2	28.7	14.2	9.0	8.1	8.4	9.7	11.3	11.6
62.5°	2778.1	1434.9	37.4	23.9	11.0	7.1	6.5	7.1	8.7	10.6	11.0
65°	3127.2	1511.3	30.7	20.0	8.4	5.5	5.5	6.5	8.4	10.3	10.6
67.5°	2932.6	1272.2	23.9	15.8	6.5	4.2	4.5	6.1	8.1	10.3	10.6
69°	2593.5	1040.2	20.3	12.6	5.5	3.9	4.2	6.1	8.1	10.0	10.3
70°	2329.3	878.3	18.1	10.6	4.8	3.9	4.2	5.8	8.1	10.0	10.3
72.5°	1560.0	474.3	14.5	7.7	4.5	3.5	3.5	5.8	7.7	9.7	10.0
75°	670.5	131.0	11.6	5.5	3.9	3.2	3.2	5.5	7.4	9.4	10.0
77.5°	122.6	33.2	9.4	4.8	3.9	3.2	2.9	5.2	7.1	9.0	9.4
80°	48.7	16.5	7.4	4.2	3.5	2.9	2.6	4.8	6.8	8.7	9.0
82.5°	29.4	9.4	6.1	3.9	3.5	2.6	2.3	4.2	6.5	8.4	8.7
85°	23.9	6.5	4.8	3.9	3.2	2.6	1.9	3.9	5.8	8.1	8.4
87.5°	11.6	4.5	4.5	3.5	3.2	2.6	1.9	3.5	5.5	7.7	8.1
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)