

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: P199967

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199967
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-01-LED-E1-SL3-7030-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE 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: 5252.1 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

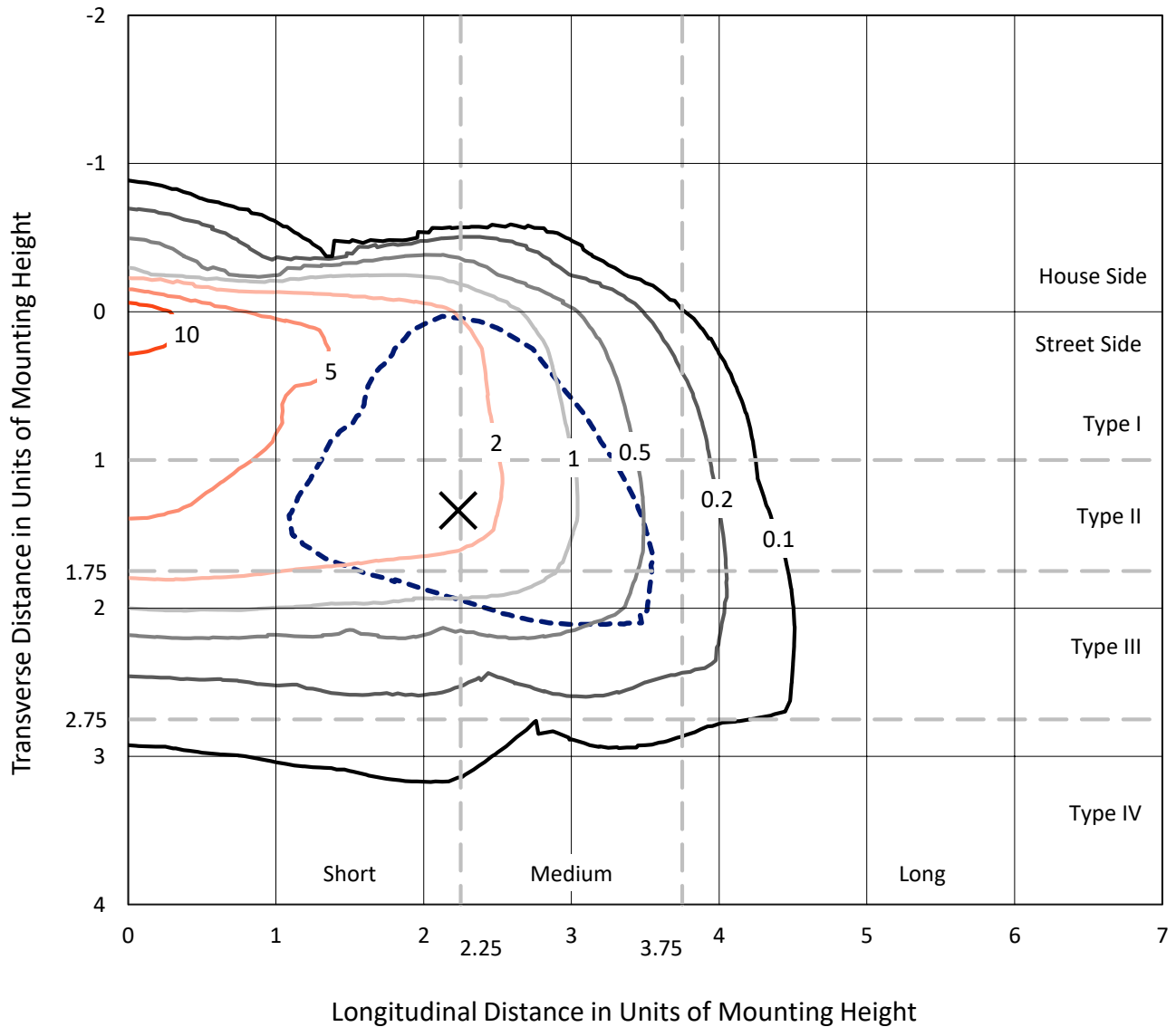
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

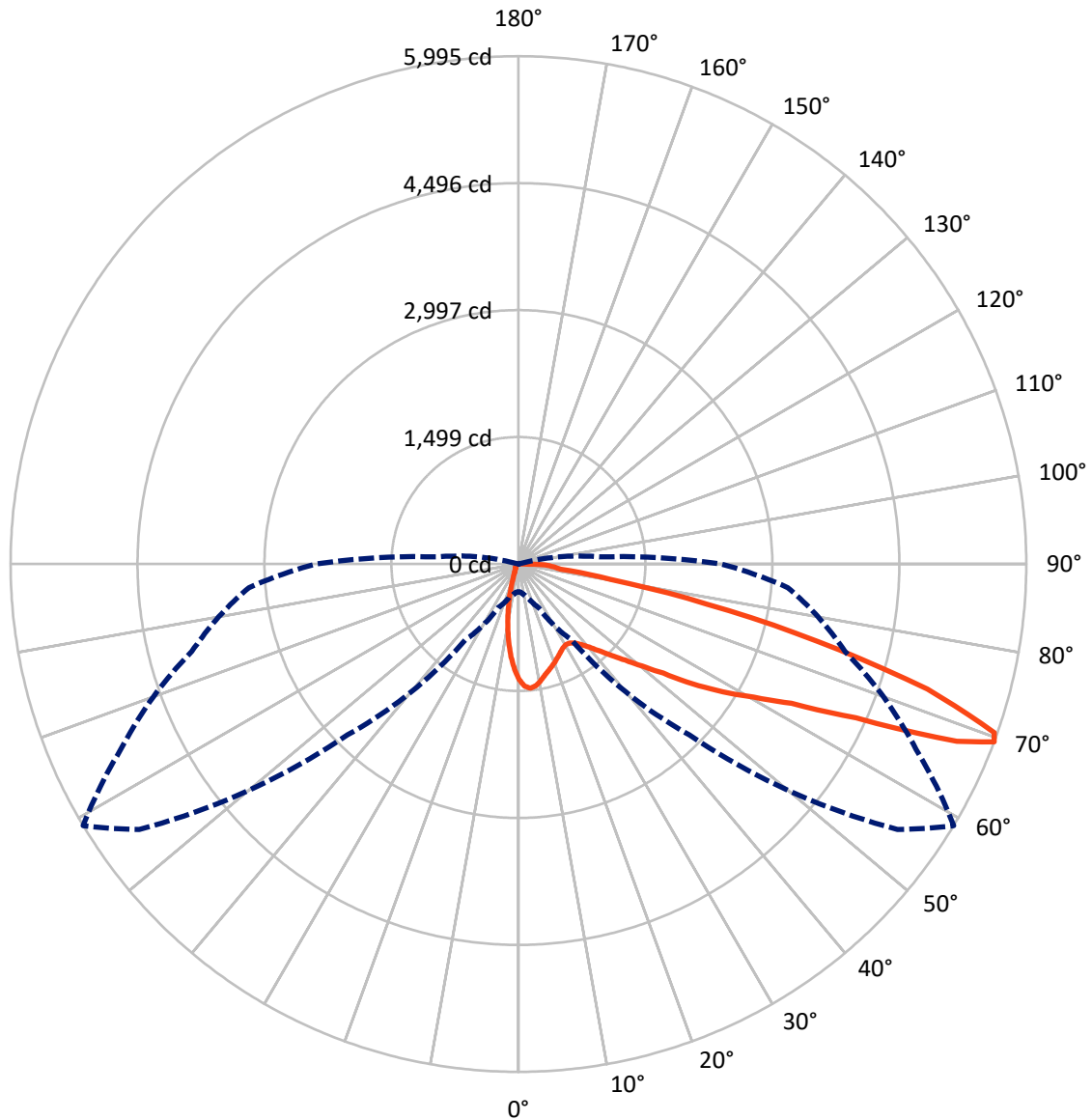
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	427.7	0.0	427.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4824.4	0.0	4824.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	5252.1	0.0	5252.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	2.1
10°-20°	229.3	4.4
20°-30°	308.5	5.9
30°-40°	448.0	8.5
40°-50°	745.9	14.2
50°-60°	1163.6	22.2
60°-70°	1439.8	27.4
70°-80°	729.7	13.9
80°-90°	76.3	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°	5252.1	100.0
0°-180°	5252.1	100.0



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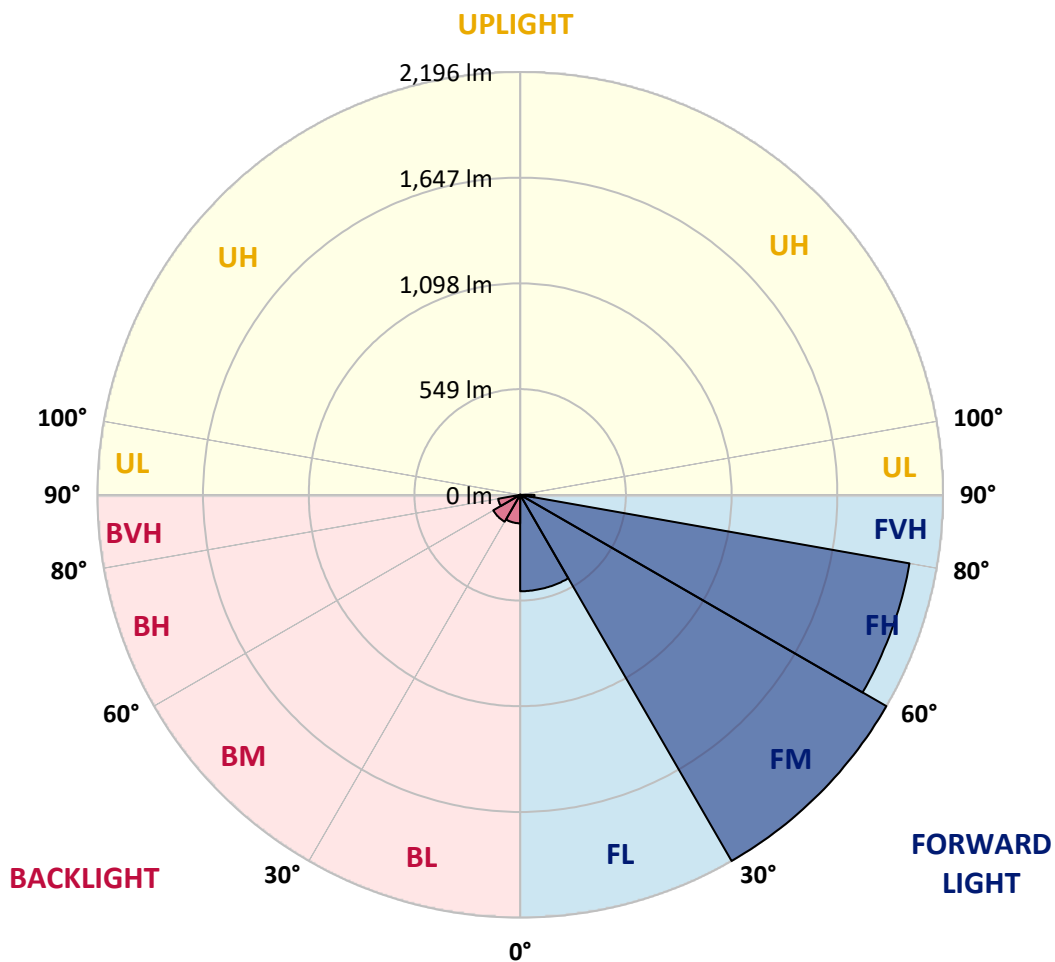
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.7	9.5			
FM	(30°-60°)	2196.3	41.8			
FH	(60°-80°)	2053.4	39.1			G2/5000
FVH	(80°-90°)	74.0	1.4			G1/100
BL	(0°-30°)	148.0	2.8	B1/500		
BM	(30°-60°)	161.2	3.1	B0/220		
BH	(60°-80°)	116.2	2.2	B1/500		G1/500
BVH	(80°-90°)	2.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1
2.5°	1498.3	1497.7	1491.2	1488.2	1482.8	1471.6	1454.0	1444.9	1429.9	1404.2	1369.4
5°	1484.7	1491.8	1495.6	1496.0	1499.8	1495.6	1479.9	1472.2	1451.7	1410.1	1347.7
7.5°	1392.0	1394.7	1405.6	1415.1	1433.6	1451.1	1456.8	1453.4	1441.3	1396.8	1313.9
10°	1292.7	1295.5	1308.5	1321.1	1346.0	1373.0	1401.5	1407.5	1412.5	1377.8	1281.2
12.5°	1207.4	1209.9	1223.2	1239.6	1268.7	1302.1	1346.3	1356.0	1378.3	1359.6	1255.1
15°	1133.6	1134.7	1147.9	1168.1	1202.8	1245.5	1295.9	1311.5	1345.6	1346.8	1232.2
17.5°	1071.0	1073.9	1081.8	1101.3	1139.2	1192.1	1250.6	1273.2	1313.3	1336.1	1209.9
20°	1032.6	1035.6	1035.3	1046.0	1080.1	1136.7	1205.4	1232.6	1281.2	1325.2	1190.1
22.5°	1025.2	1025.2	1017.5	1016.0	1036.3	1083.5	1158.5	1191.5	1252.4	1320.4	1176.0
25°	1051.6	1050.4	1031.2	1015.4	1016.3	1044.5	1113.2	1152.3	1228.1	1323.6	1168.6
27.5°	1107.5	1106.0	1081.6	1051.6	1027.6	1027.2	1078.7	1120.9	1208.7	1339.1	1171.6
30°	1184.7	1184.2	1157.7	1119.9	1076.3	1036.3	1066.8	1105.0	1196.3	1367.1	1178.5
32.5°	1269.0	1268.2	1248.3	1208.4	1153.2	1076.3	1079.3	1111.3	1199.8	1404.2	1195.1
35°	1358.4	1357.0	1348.4	1313.7	1252.6	1150.3	1120.2	1145.1	1222.4	1459.7	1227.7
37.5°	1455.3	1456.8	1463.0	1429.7	1365.8	1253.9	1188.8	1205.7	1267.9	1535.1	1280.9
40°	1598.1	1597.8	1599.9	1556.2	1494.7	1380.7	1284.8	1290.2	1343.9	1635.3	1361.7
42.5°	1857.4	1839.3	1784.3	1695.2	1633.4	1525.6	1405.6	1400.0	1436.9	1759.1	1474.9
45°	2205.7	2167.1	2024.6	1853.8	1774.8	1689.0	1554.4	1536.3	1559.7	1907.8	1614.5
47.5°	2505.5	2465.3	2263.7	2018.9	1924.8	1844.0	1728.8	1696.1	1703.8	2074.5	1791.5
50°	2607.3	2587.7	2411.6	2162.7	2070.0	2039.1	1931.0	1891.3	1880.3	2267.2	1996.7
52.5°	2572.0	2570.5	2453.1	2255.9	2203.1	2241.1	2185.5	2139.6	2099.1	2470.4	2205.4
55°	2515.2	2522.7	2470.1	2337.6	2335.9	2425.5	2533.6	2495.3	2378.2	2691.0	2385.4
57.5°	2358.7	2390.5	2460.5	2492.1	2565.1	2656.8	2823.5	2846.1	2707.7	2860.0	2534.9
60°	1913.7	1983.6	2212.8	2514.3	2860.6	3089.3	3173.3	3192.7	2978.0	3000.5	2736.5
62.5°	1358.4	1429.7	1720.5	2230.4	2865.1	3657.5	3694.6	3618.7	3275.5	3208.7	3084.3
65°	721.1	776.1	1013.6	1609.9	2484.0	3789.3	4606.1	4380.3	3800.6	3618.2	3533.6
67.5°	368.9	385.4	479.9	787.9	1707.7	3365.8	5423.1	5581.9	4705.5	4024.6	3511.9
69°	326.3	336.2	398.9	569.7	1093.4	2850.8	5462.9	5994.5	5179.2	3990.7	3191.5
70°	316.0	324.6	381.7	515.6	854.7	2390.8	5310.4	5958.2	5300.3	3861.8	2952.0
72.5°	268.2	275.7	339.8	455.6	694.7	1186.8	4313.8	5048.9	4756.3	3217.0	2136.9
75°	179.4	203.8	326.1	427.1	646.3	674.1	2844.0	3648.5	3389.2	2169.8	1113.2
77.5°	43.0	46.3	92.1	339.8	591.0	593.4	1462.7	2268.1	1850.0	773.3	263.1
80°	23.2	22.3	25.7	67.4	550.3	556.9	658.4	1100.9	660.5	128.3	86.8
82.5°	16.4	15.4	16.6	28.2	173.1	507.3	476.4	498.3	273.8	49.2	38.9
85°	5.9	5.7	9.2	25.5	54.3	291.6	489.5	411.1	221.9	22.6	28.5
87.5°	2.0	1.7	3.6	13.9	16.6	124.1	302.0	310.7	87.3	13.6	13.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1	1367.1
2.5°	1355.0	1336.5	1302.6	1267.9	1235.8	1197.2	1177.9	1158.8	1150.8	1147.9	1133.9
5°	1315.7	1284.5	1212.6	1140.4	1073.9	1003.2	956.6	919.2	897.2	886.5	869.6
7.5°	1265.4	1214.4	1105.3	994.0	890.4	788.2	712.5	654.3	614.1	594.9	577.3
10°	1216.8	1148.8	993.7	842.0	701.2	565.8	461.2	385.4	337.1	314.7	300.6
12.5°	1173.1	1085.0	885.9	693.8	517.1	358.5	252.2	191.9	161.8	151.5	146.4
15°	1134.2	1026.1	784.1	553.0	350.1	205.0	137.7	117.4	112.5	112.5	112.0
17.5°	1097.4	968.5	685.7	420.8	219.7	125.3	104.9	102.1	102.1	103.4	103.4
20°	1062.0	913.5	590.8	302.0	138.4	99.5	94.7	94.2	94.7	96.2	96.2
22.5°	1031.7	863.7	501.9	207.3	102.8	89.7	87.3	86.5	86.8	87.6	88.2
25°	1009.2	821.5	418.1	140.5	88.5	81.7	79.0	77.5	76.4	76.4	76.9
27.5°	995.0	785.8	337.1	102.1	79.5	74.3	70.0	67.7	65.0	63.6	64.1
30°	984.5	752.0	261.0	83.5	71.2	65.9	60.6	56.7	52.9	51.2	51.7
32.5°	980.7	724.6	195.1	73.6	63.8	57.9	51.4	46.3	42.2	40.7	41.0
35°	991.1	703.0	142.8	66.5	57.9	50.5	43.0	37.3	34.2	33.3	33.6
37.5°	1018.4	691.4	107.0	60.6	52.6	44.2	35.9	30.6	28.5	28.5	28.9
40°	1070.0	691.1	85.9	56.4	47.8	38.4	29.7	25.7	24.7	25.2	25.5
42.5°	1145.5	706.8	74.9	52.6	43.7	32.7	24.7	22.0	21.7	22.3	22.6
45°	1248.5	735.7	69.0	49.2	39.3	27.4	20.8	19.0	19.0	19.8	20.2
47.5°	1374.8	777.8	63.8	46.0	34.8	22.8	17.8	16.6	16.9	17.8	18.1
50°	1526.8	831.0	58.8	42.5	31.4	19.0	15.4	14.5	14.9	16.1	16.4
52.5°	1700.0	902.6	54.6	39.3	27.4	15.8	13.1	12.4	13.1	14.2	14.5
55°	1848.4	966.7	49.6	36.5	22.0	13.1	10.7	10.7	11.3	12.8	13.1
57.5°	1991.4	1033.8	45.2	31.4	17.3	10.4	9.0	9.2	10.1	11.6	11.9
60°	2201.0	1147.5	39.8	26.4	13.1	8.3	7.4	7.7	9.0	10.4	10.7
62.5°	2557.1	1320.7	34.4	22.0	10.1	6.5	5.9	6.5	7.9	9.9	10.1
65°	2878.4	1391.1	28.2	18.5	7.7	5.0	5.0	5.9	7.7	9.5	9.9
67.5°	2699.4	1171.0	22.0	14.5	5.9	3.9	4.2	5.7	7.4	9.5	9.9
69°	2387.2	957.5	18.7	11.6	5.0	3.6	3.9	5.7	7.4	9.2	9.5
70°	2144.0	808.4	16.6	9.9	4.5	3.6	3.9	5.4	7.4	9.2	9.5
72.5°	1436.0	436.6	13.3	7.1	4.2	3.3	3.3	5.4	7.1	9.0	9.2
75°	617.1	120.6	10.7	5.0	3.6	2.9	2.9	5.0	6.9	8.6	9.2
77.5°	112.9	30.6	8.6	4.5	3.6	2.9	2.6	4.7	6.5	8.3	8.6
80°	44.8	15.2	6.9	3.9	3.3	2.6	2.4	4.5	6.2	7.9	8.3
82.5°	27.0	8.6	5.7	3.6	3.3	2.4	2.0	3.9	5.9	7.7	7.9
85°	22.0	5.9	4.5	3.6	2.9	2.4	1.7	3.6	5.4	7.4	7.7
87.5°	10.7	4.2	4.2	3.3	2.9	2.4	1.7	3.3	5.0	7.1	7.4
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)