

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: P200127

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200127  
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-HSS  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 4000K, 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: 5554.6 lumens  
Efficiency: N/A  
Efficacy: 94.1 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

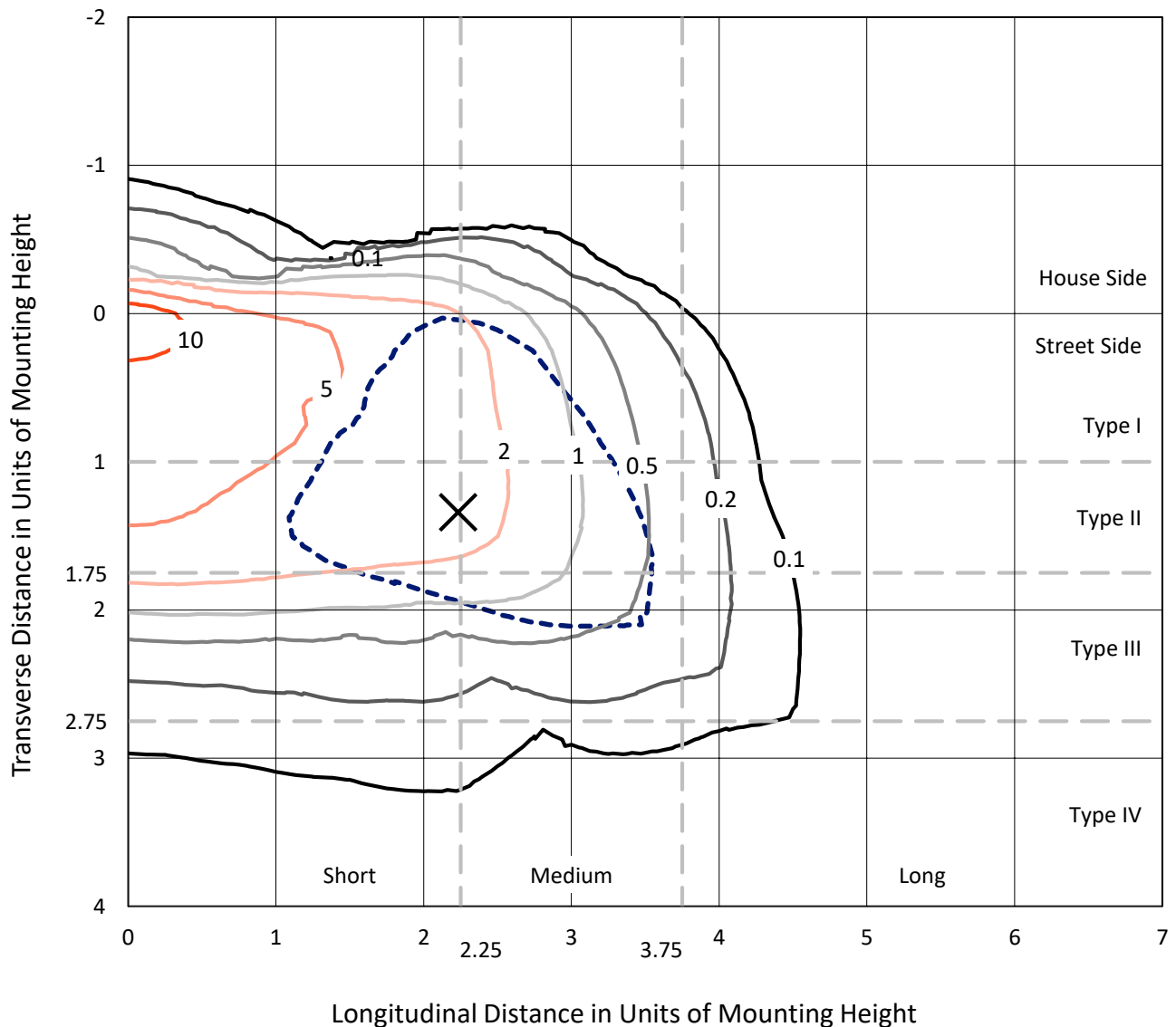
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

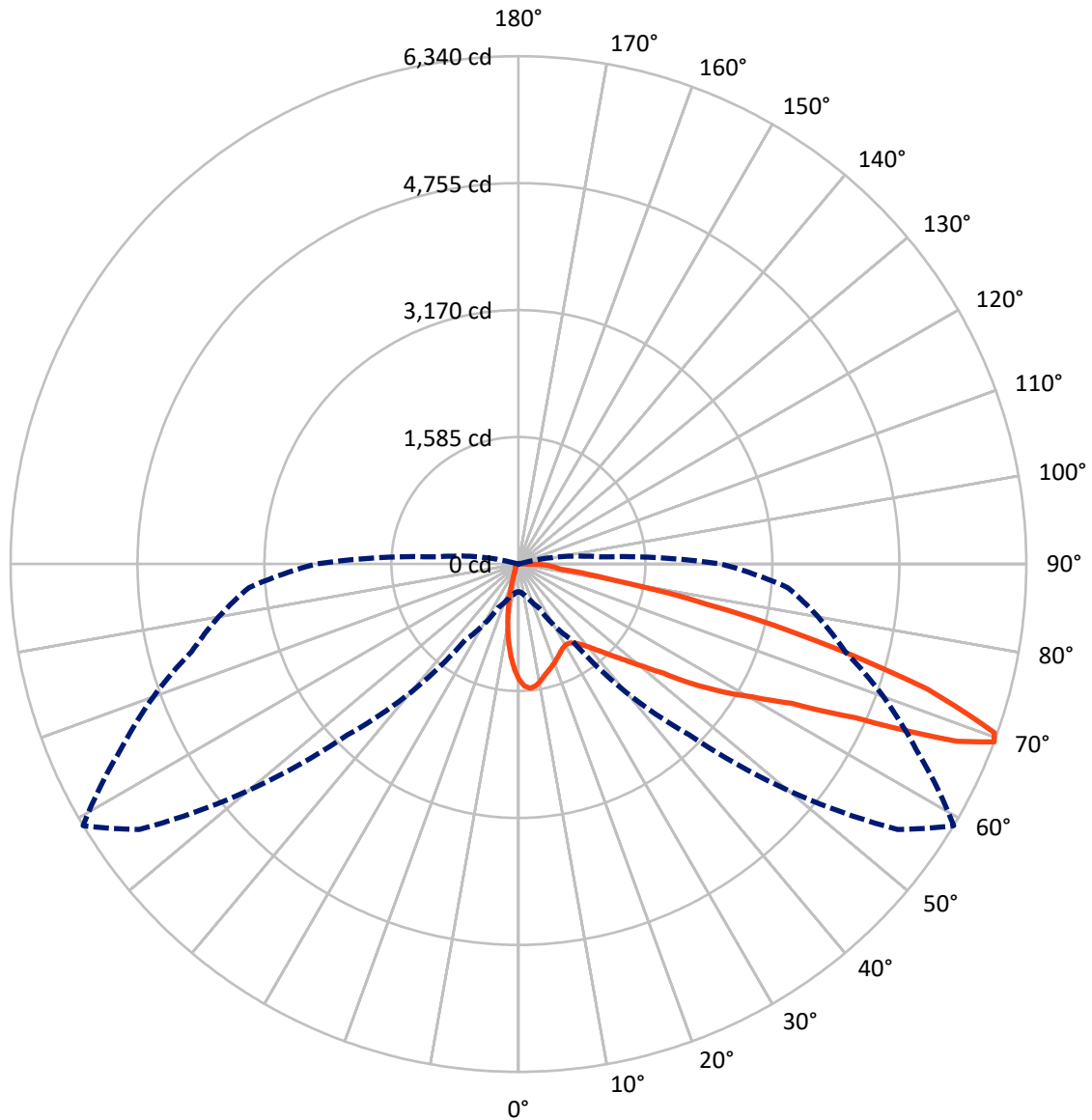
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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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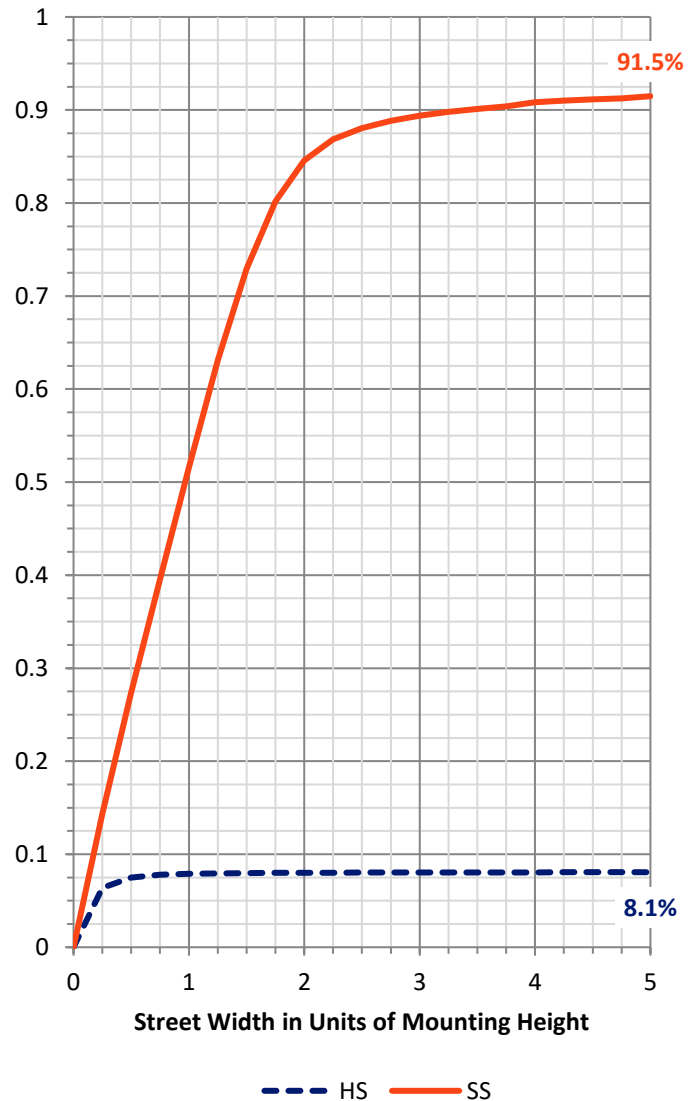
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	452.3	0.0	452.3
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	5102.3	0.0	5102.3
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	5554.6	0.0	5554.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.4	2.1
10°-20°	242.5	4.4
20°-30°	326.3	5.9
30°-40°	473.8	8.5
40°-50°	788.8	14.2
50°-60°	1230.6	22.2
60°-70°	1522.8	27.4
70°-80°	771.7	13.9
80°-90°	80.8	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°	5554.6	100.0
0°-180°	5554.6	100.0

**Coefficient of Utilization**



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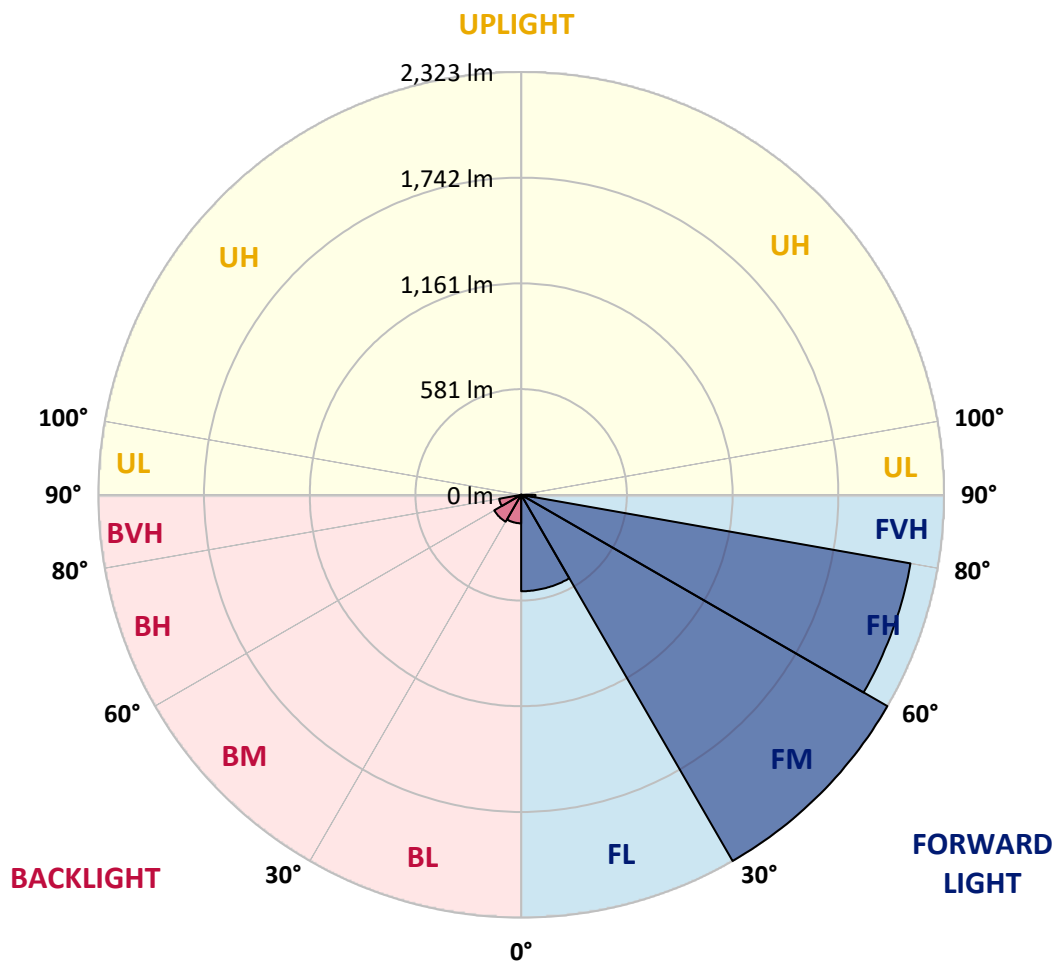
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.6	9.5			
FM	(30°-60°)	2322.8	41.8			
FH	(60°-80°)	2171.7	39.1			G2/5000
FVH	(80°-90°)	78.3	1.4			G1/100
BL	(0°-30°)	156.6	2.8	B1/500		
BM	(30°-60°)	170.4	3.1	B0/220		
BH	(60°-80°)	122.8	2.2	B1/500		G1/500
BVH	(80°-90°)	2.5	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°	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8
2.5°	1584.7	1584.0	1577.1	1573.9	1568.3	1556.3	1537.8	1528.1	1512.3	1485.0	1448.3
5°	1570.1	1577.7	1581.8	1582.1	1586.2	1581.8	1565.1	1556.9	1535.3	1491.4	1425.4
7.5°	1472.1	1475.0	1486.7	1496.7	1516.1	1534.6	1540.7	1537.2	1524.3	1477.2	1389.6
10°	1367.3	1370.1	1384.0	1397.1	1423.5	1452.1	1482.3	1488.5	1493.8	1457.1	1355.0
12.5°	1276.8	1279.6	1293.7	1311.0	1341.8	1377.0	1423.8	1434.2	1457.7	1438.0	1327.4
15°	1198.9	1200.1	1214.0	1235.3	1272.1	1317.4	1370.4	1387.0	1423.1	1424.5	1303.2
17.5°	1132.6	1135.8	1144.3	1164.6	1204.8	1260.8	1322.7	1346.5	1389.0	1413.1	1279.6
20°	1092.1	1095.3	1095.0	1106.2	1142.3	1202.1	1274.9	1303.5	1355.0	1401.5	1258.6
22.5°	1084.2	1084.2	1076.1	1074.5	1095.9	1145.8	1225.3	1260.2	1324.5	1396.4	1243.8
25°	1112.3	1110.9	1090.6	1073.9	1074.8	1104.7	1177.2	1218.7	1298.8	1399.9	1235.9
27.5°	1171.3	1169.7	1144.0	1112.3	1086.8	1086.5	1140.8	1185.4	1278.4	1416.3	1239.1
30°	1252.9	1252.3	1224.4	1184.5	1138.3	1095.9	1128.2	1168.7	1265.2	1445.8	1246.4
32.5°	1342.1	1341.2	1320.1	1278.1	1219.7	1138.3	1141.4	1175.4	1269.0	1485.0	1264.0
35°	1436.6	1435.1	1426.0	1389.3	1324.8	1216.5	1184.8	1211.2	1292.8	1543.8	1298.4
37.5°	1539.0	1540.7	1547.2	1512.0	1444.5	1326.2	1257.3	1275.2	1340.9	1623.5	1354.7
40°	1690.1	1689.8	1692.1	1645.8	1580.9	1460.3	1358.8	1364.4	1421.3	1729.4	1440.1
42.5°	1964.4	1945.2	1887.1	1792.8	1727.6	1613.5	1486.7	1480.6	1519.6	1860.4	1559.8
45°	2332.8	2291.9	2141.2	1960.6	1877.0	1786.3	1644.0	1624.9	1649.6	2017.8	1707.4
47.5°	2649.7	2607.3	2394.0	2135.2	2035.7	1950.3	1828.3	1793.8	1801.9	2193.9	1894.6
50°	2757.5	2736.7	2550.5	2287.2	2189.2	2156.6	2042.2	2000.2	1988.5	2397.8	2111.7
52.5°	2720.1	2718.5	2594.4	2385.9	2330.0	2370.2	2311.5	2262.8	2220.0	2612.6	2332.5
55°	2660.1	2668.0	2612.3	2472.3	2470.4	2565.3	2679.5	2639.0	2515.3	2846.1	2522.8
57.5°	2494.6	2528.2	2602.3	2635.6	2712.9	2809.9	2986.1	3010.0	2863.6	3024.8	2680.8
60°	2024.0	2097.9	2340.3	2659.2	3025.4	3267.2	3356.1	3376.6	3149.5	3173.3	2894.1
62.5°	1436.6	1512.0	1819.5	2358.9	3030.1	3868.1	3907.4	3827.3	3464.2	3393.5	3261.9
65°	762.6	820.7	1072.1	1702.7	2627.1	4007.6	4871.3	4632.6	4019.5	3826.7	3737.1
67.5°	390.2	407.7	507.6	833.3	1806.0	3559.7	5735.4	5903.4	4976.6	4256.3	3714.2
69°	345.1	355.6	421.9	602.4	1156.5	3015.0	5777.5	6339.7	5477.6	4220.5	3375.3
70°	334.2	343.3	403.7	545.2	904.0	2528.5	5616.4	6301.4	5605.7	4084.2	3122.1
72.5°	283.7	291.4	359.4	481.8	734.7	1255.2	4562.3	5339.7	5030.3	3402.3	2259.9
75°	189.8	215.4	344.8	451.6	683.4	713.0	3007.8	3858.7	3584.5	2294.8	1177.2
77.5°	45.5	49.0	97.4	359.4	625.0	627.6	1546.9	2398.7	1956.5	818.0	278.2
80°	24.4	23.5	27.3	71.3	582.1	588.9	696.3	1164.3	698.6	135.6	91.8
82.5°	17.3	16.4	17.6	29.9	183.1	536.4	503.8	527.0	289.6	52.2	41.1
85°	6.2	5.9	9.7	27.0	57.5	308.4	517.6	434.8	234.7	23.8	30.2
87.5°	2.1	1.8	3.8	14.7	17.6	131.2	319.5	328.6	92.4	14.4	14.1
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°	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8
2.5°	1432.9	1413.4	1377.6	1340.9	1306.9	1266.1	1245.7	1225.6	1217.1	1214.0	1199.2
5°	1391.4	1358.5	1282.5	1206.2	1135.8	1061.0	1011.7	972.1	948.9	937.5	919.6
7.5°	1338.3	1284.3	1169.0	1051.3	941.6	833.6	753.5	691.9	649.6	629.1	610.6
10°	1286.9	1215.0	1051.0	890.5	741.5	598.3	487.7	407.7	356.5	333.0	317.8
12.5°	1240.6	1147.4	936.9	733.8	546.9	379.1	266.7	203.0	171.1	160.2	154.9
15°	1199.5	1085.2	829.2	584.8	370.3	216.8	145.8	124.1	119.1	119.1	118.5
17.5°	1160.6	1024.3	725.3	445.1	232.4	132.6	110.9	108.0	108.0	109.4	109.4
20°	1123.2	966.2	624.7	319.5	146.4	105.3	100.1	99.5	100.1	101.8	101.8
22.5°	1091.2	913.4	530.8	219.2	108.6	94.8	92.4	91.5	91.8	92.7	93.3
25°	1067.3	868.8	442.2	148.5	93.6	86.3	83.6	81.9	80.7	80.7	81.3
27.5°	1052.2	831.1	356.5	108.0	84.2	78.6	74.2	71.6	68.7	67.2	67.8
30°	1041.3	795.3	276.1	88.3	75.4	69.8	64.0	59.9	56.0	54.0	54.6
32.5°	1037.2	766.4	206.3	77.8	67.5	61.3	54.3	49.0	44.6	43.1	43.4
35°	1048.1	743.5	151.1	70.4	61.3	53.4	45.5	39.6	36.1	35.2	35.5
37.5°	1077.1	731.2	113.0	64.0	55.5	46.9	38.1	32.3	30.2	30.2	30.5
40°	1131.7	730.9	90.7	59.6	50.5	40.5	31.4	27.3	26.1	26.7	27.0
42.5°	1211.5	747.6	79.2	55.5	46.1	34.6	26.1	23.2	22.9	23.5	23.8
45°	1320.4	778.1	72.8	52.2	41.4	28.8	22.0	20.2	20.2	21.1	21.4
47.5°	1453.9	822.7	67.5	48.7	36.7	24.1	18.8	17.6	17.9	18.8	19.1
50°	1614.7	878.8	62.2	44.9	33.2	20.2	16.4	15.3	15.8	17.0	17.3
52.5°	1797.9	954.5	57.8	41.4	28.8	16.7	13.8	13.2	13.8	15.0	15.3
55°	1955.0	1022.3	52.5	38.7	23.2	13.8	11.4	11.4	12.0	13.5	13.8
57.5°	2106.1	1093.3	47.8	33.2	18.2	10.9	9.4	9.7	10.6	12.3	12.6
60°	2327.8	1213.6	42.0	27.9	13.8	8.8	7.9	8.2	9.4	10.9	11.4
62.5°	2704.4	1396.8	36.4	23.2	10.6	7.0	6.2	7.0	8.5	10.3	10.6
65°	3044.2	1471.2	29.9	19.4	8.2	5.3	5.3	6.2	8.2	10.0	10.3
67.5°	2854.9	1238.5	23.2	15.3	6.2	4.1	4.4	5.9	7.9	10.0	10.3
69°	2524.7	1012.6	19.7	12.3	5.3	3.8	4.1	5.9	7.9	9.7	10.0
70°	2267.5	855.0	17.6	10.3	4.7	3.8	4.1	5.6	7.9	9.7	10.0
72.5°	1518.7	461.8	14.1	7.6	4.4	3.5	3.5	5.6	7.6	9.4	9.7
75°	652.7	127.6	11.4	5.3	3.8	3.2	3.2	5.3	7.3	9.1	9.7
77.5°	119.4	32.3	9.1	4.7	3.8	3.2	2.9	5.0	7.0	8.8	9.1
80°	47.5	16.1	7.3	4.1	3.5	2.9	2.6	4.7	6.5	8.5	8.8
82.5°	28.5	9.1	5.9	3.8	3.5	2.6	2.1	4.1	6.2	8.2	8.5
85°	23.2	6.2	4.7	3.8	3.2	2.6	1.8	3.8	5.6	7.9	8.2
87.5°	11.4	4.4	4.4	3.5	3.2	2.6	1.8	3.5	5.3	7.6	7.9
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)