

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: P1211899

Luminaire Tested: **GKO-PB2C-827-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211899
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-827-U-T2R
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7125.6 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

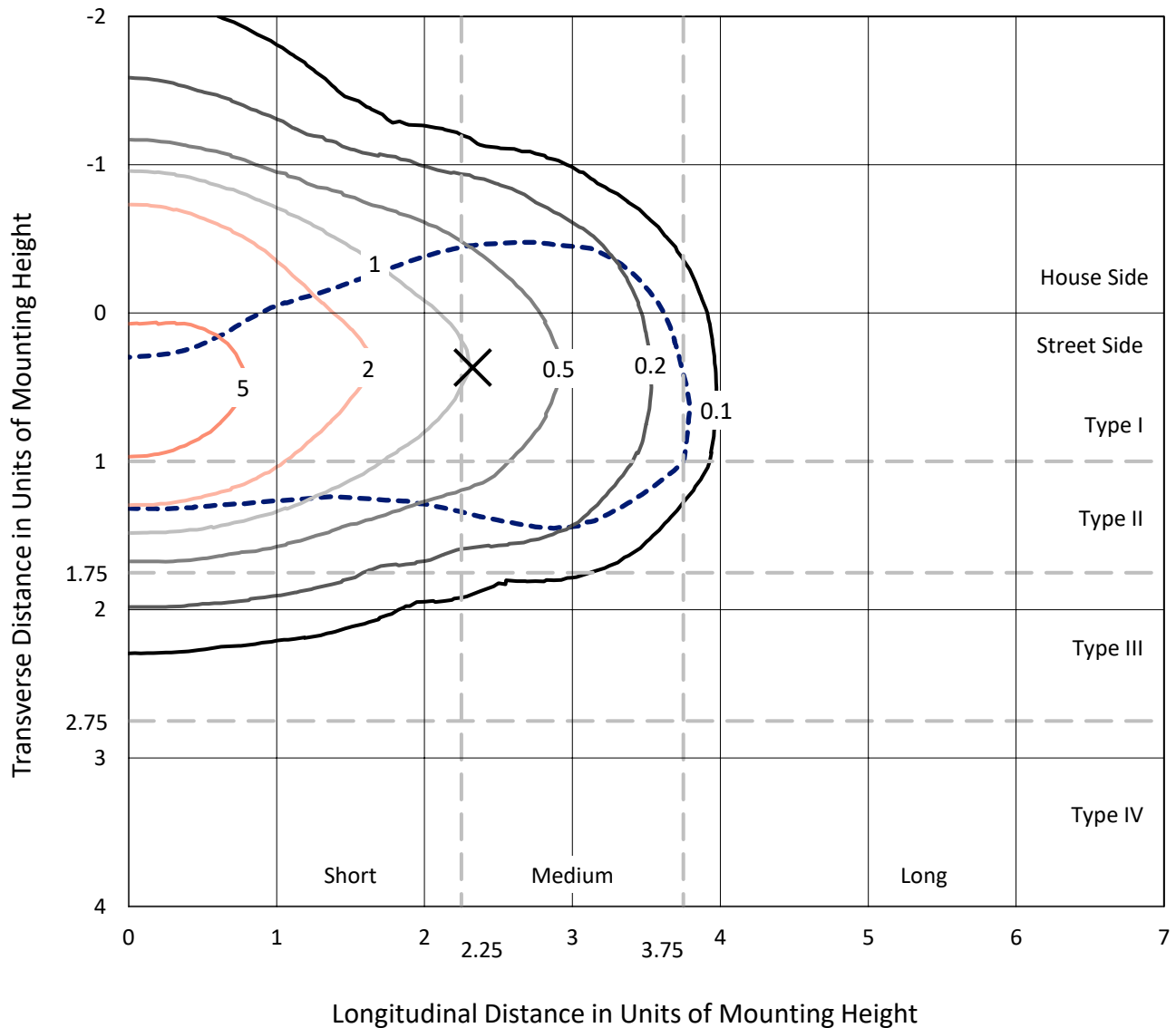
Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 5%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

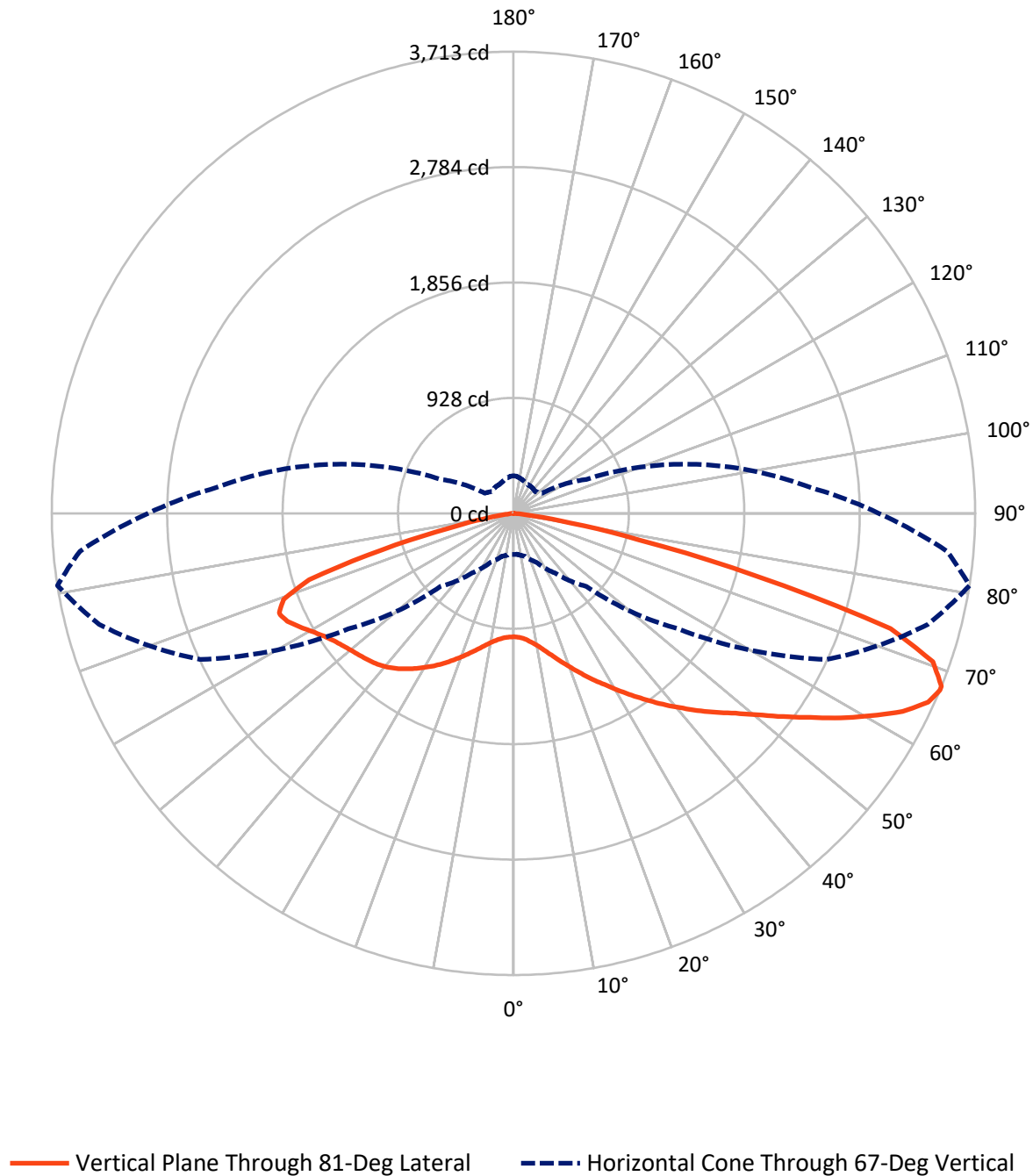
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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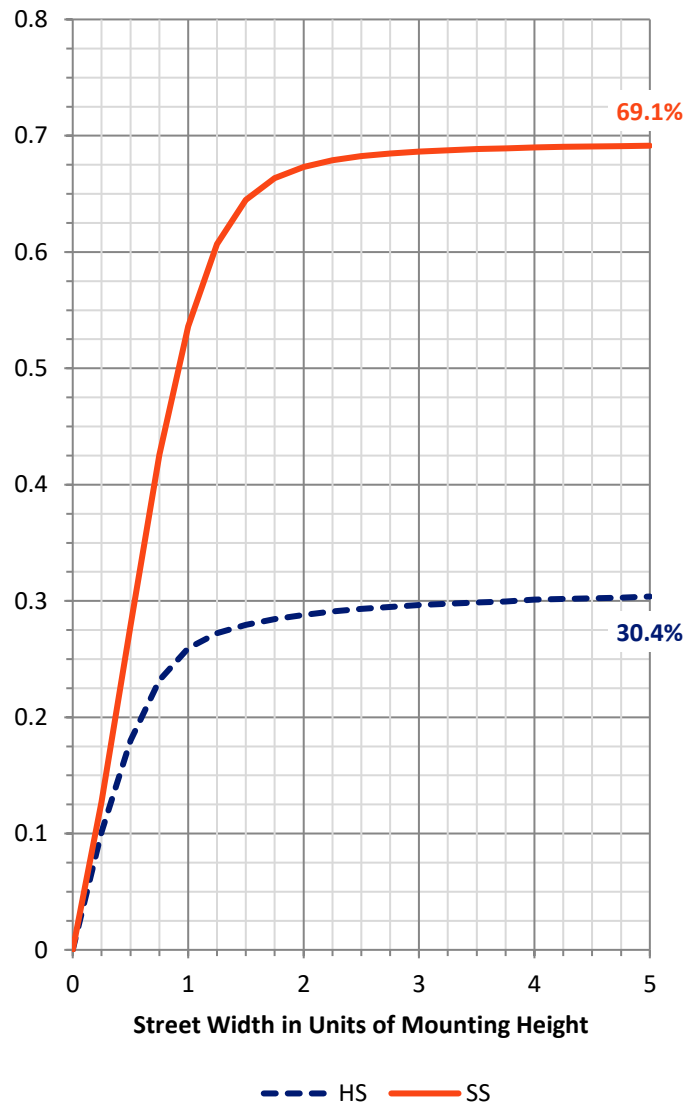
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2200.3	0.0	2200.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	4925.3	0.0	4925.3
	% Fixture	69.1	0.0	69.1
Total	Lumens	7125.6	0.0	7125.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	1.4
10°-20°	372.2	5.2
20°-30°	753.9	10.6
30°-40°	1188.8	16.7
40°-50°	1459.9	20.5
50°-60°	1394.7	19.6
60°-70°	1169.6	16.4
70°-80°	619.6	8.7
80°-90°	64.0	0.9
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°	7125.6	100.0
0°-180°	7125.6	100.0



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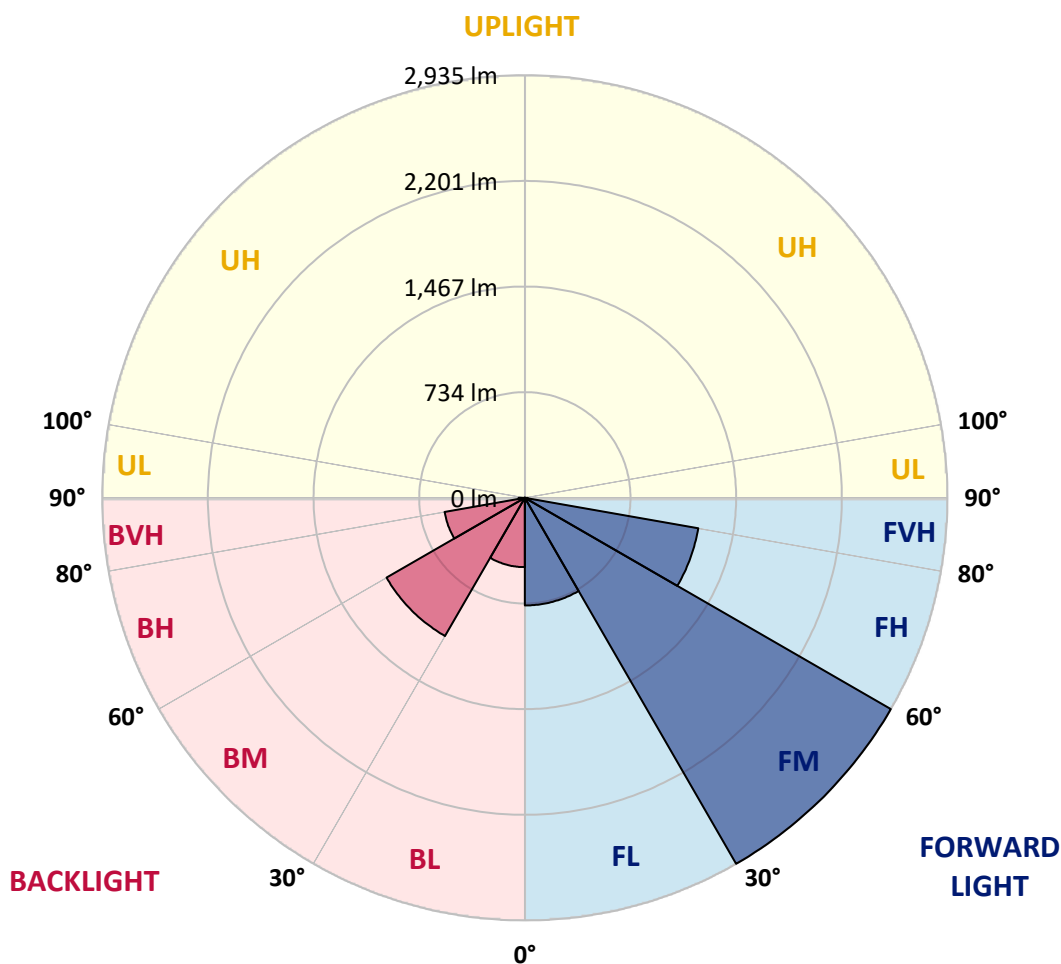
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	747.4	10.5			
FM	(30°-60°)	2934.8	41.2			
FH	(60°-80°)	1223.2	17.2			G1/1800
FVH	(80°-90°)	19.9	0.3			G1/100
BL	(0°-30°)	481.5	6.8	B1/500		
BM	(30°-60°)	1108.7	15.6	B2/2500		
BH	(60°-80°)	566.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	44.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6
2.5°	1049.8	1052.6	1047.1	1045.8	1040.3	1032.1	1022.6	1015.8	1004.9	999.4	996.7
5°	1149.4	1143.9	1139.8	1133.0	1113.9	1097.6	1070.3	1051.2	1030.8	1017.1	1013.0
7.5°	1270.7	1273.5	1259.8	1242.1	1214.8	1182.1	1138.5	1103.0	1064.8	1047.1	1038.9
10°	1403.0	1413.9	1400.3	1378.4	1326.6	1277.5	1224.4	1163.0	1111.2	1083.9	1073.0
12.5°	1563.9	1570.7	1553.0	1524.3	1461.6	1388.0	1313.0	1236.6	1168.5	1134.4	1115.3
15°	1743.8	1738.4	1720.7	1678.4	1598.0	1516.1	1413.9	1314.4	1233.9	1191.6	1164.4
17.5°	1929.3	1922.4	1899.3	1844.7	1753.4	1651.1	1529.8	1404.3	1303.4	1257.1	1220.3
20°	2106.5	2099.7	2083.3	2022.0	1911.5	1786.1	1644.3	1508.0	1382.5	1325.3	1284.4
22.5°	2302.8	2297.4	2271.5	2196.5	2077.9	1940.2	1775.2	1612.9	1468.4	1400.3	1351.2
25°	2515.5	2516.9	2488.3	2383.3	2249.7	2088.8	1915.6	1731.6	1565.2	1479.3	1423.4
27.5°	2763.7	2762.3	2713.2	2600.1	2432.4	2246.9	2054.7	1855.6	1660.7	1559.8	1495.7
30°	2988.7	2983.2	2928.7	2815.5	2621.9	2413.3	2202.0	1975.6	1768.4	1648.4	1570.7
32.5°	3155.0	3156.4	3111.4	2987.3	2797.8	2575.5	2339.7	2110.6	1872.0	1743.8	1657.9
35°	3275.0	3276.3	3232.7	3126.4	2949.1	2726.9	2485.6	2237.4	1987.9	1842.0	1749.3
37.5°	3313.2	3313.2	3284.5	3201.4	3056.8	2863.2	2628.7	2381.9	2103.8	1948.4	1842.0
40°	3261.3	3265.4	3264.1	3209.5	3110.0	2957.3	2761.0	2521.0	2233.3	2053.3	1936.1
42.5°	3144.1	3146.8	3150.9	3130.5	3099.1	3007.7	2867.3	2662.8	2362.8	2167.9	2028.8
45°	2950.5	2961.4	2981.8	2990.0	3002.3	2995.5	2932.8	2795.1	2507.4	2282.4	2120.1
47.5°	2705.1	2722.8	2750.1	2799.1	2867.3	2921.9	2949.1	2897.3	2647.8	2401.0	2222.4
50°	2364.2	2383.3	2456.9	2559.2	2694.2	2800.5	2904.1	2973.7	2804.6	2545.5	2336.9
52.5°	1892.5	1933.4	2057.4	2253.8	2485.6	2643.7	2808.7	3010.5	2964.1	2716.0	2473.3
55°	1439.8	1454.8	1614.3	1850.2	2207.4	2474.6	2677.8	2991.4	3114.1	2894.6	2628.7
57.5°	1006.2	1022.6	1161.7	1419.3	1814.7	2253.8	2546.9	2927.3	3250.4	3104.6	2807.3
60°	714.4	732.2	835.8	1026.7	1409.8	1932.0	2425.6	2845.5	3369.1	3303.6	3013.2
62.5°	519.5	529.0	583.6	744.4	1018.5	1510.7	2252.4	2792.3	3452.2	3510.9	3224.5
65°	398.1	407.7	439.0	539.9	752.6	1104.4	1941.5	2791.0	3474.0	3663.6	3407.2
67°	331.3	330.0	357.2	433.6	587.6	830.3	1621.1	2780.1	3449.5	3712.6	3499.9
67.5°	313.6	319.0	340.9	404.9	554.9	764.9	1551.6	2762.3	3441.3	3711.3	3506.8
70°	249.5	250.9	270.0	320.4	417.2	554.9	1116.7	2587.8	3317.2	3577.7	3430.4
72.5°	182.7	181.3	210.0	242.7	319.0	403.6	748.5	2173.3	3048.7	3170.0	3050.0
75°	135.0	133.6	148.6	185.4	227.7	301.3	485.4	1418.0	2064.2	2016.5	1862.5
77.5°	90.0	92.7	106.3	136.3	162.2	186.8	242.7	653.1	1137.1	1028.0	989.9
80°	54.5	50.4	60.0	77.7	94.1	95.4	103.6	282.2	488.1	464.9	436.3
82.5°	19.1	19.1	23.2	31.4	31.4	31.4	38.2	68.2	96.8	88.6	84.5
85°	0.0	0.0	0.0	0.0	2.7	4.1	2.7	5.5	9.5	10.9	10.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.7	4.1	5.5	5.5
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°	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6	992.6
2.5°	996.7	996.7	992.6	987.1	984.4	983.0	978.9	973.5	977.6	981.7	981.7
5°	1010.3	1007.6	999.4	993.9	989.9	989.9	984.4	983.0	987.1	991.2	989.9
7.5°	1032.1	1026.7	1017.1	1008.9	1010.3	1011.7	1003.5	1003.5	1007.6	1011.7	1011.7
10°	1062.1	1052.6	1043.0	1036.2	1037.6	1038.9	1030.8	1028.0	1032.1	1036.2	1038.9
12.5°	1100.3	1088.0	1077.1	1070.3	1068.9	1070.3	1062.1	1059.4	1059.4	1062.1	1062.1
15°	1145.3	1131.7	1118.0	1108.5	1105.7	1104.4	1093.5	1083.9	1083.9	1085.3	1085.3
17.5°	1197.1	1178.0	1160.3	1149.4	1142.6	1133.0	1120.7	1107.1	1103.0	1104.4	1104.4
20°	1248.9	1228.5	1205.3	1190.3	1176.6	1160.3	1141.2	1123.5	1115.3	1115.3	1113.9
22.5°	1308.9	1281.6	1250.3	1229.8	1205.3	1178.0	1150.7	1127.6	1119.4	1116.7	1116.7
25°	1370.3	1338.9	1293.9	1262.5	1227.1	1187.6	1152.1	1120.7	1107.1	1101.7	1101.7
27.5°	1433.0	1396.2	1337.5	1292.5	1240.7	1186.2	1138.5	1098.9	1079.8	1073.0	1070.3
30°	1503.9	1450.7	1375.7	1314.4	1243.5	1173.9	1112.6	1066.2	1037.6	1021.2	1022.6
32.5°	1577.5	1510.7	1411.2	1328.0	1239.4	1150.7	1073.0	1014.4	977.6	962.6	957.1
35°	1652.5	1568.0	1442.5	1334.8	1225.7	1115.3	1022.6	957.1	916.2	894.4	894.4
37.5°	1728.8	1627.9	1464.3	1333.4	1201.2	1068.9	964.0	894.4	846.7	819.4	812.6
40°	1803.8	1683.8	1480.7	1322.5	1164.4	1013.0	901.2	826.2	762.2	726.7	721.3
42.5°	1877.5	1730.2	1488.9	1304.8	1120.7	951.7	830.3	729.4	668.1	635.4	634.0
45°	1944.3	1767.0	1490.2	1281.6	1063.5	882.1	734.9	638.1	576.7	542.6	542.6
47.5°	2009.7	1807.9	1488.9	1251.6	1000.8	792.2	634.0	539.9	484.0	462.2	455.4
50°	2088.8	1848.8	1487.5	1214.8	920.3	684.4	535.8	455.4	407.7	385.9	385.9
52.5°	2169.2	1896.5	1490.2	1163.0	824.9	579.5	448.6	377.7	346.3	332.7	331.3
55°	2272.9	1947.0	1497.1	1101.7	725.3	477.2	373.6	325.9	304.0	297.2	298.6
57.5°	2398.3	2016.5	1510.7	1029.4	609.5	391.3	320.4	294.5	289.0	291.8	293.1
60°	2541.5	2102.4	1529.8	947.6	507.2	325.9	289.0	283.6	289.0	300.0	301.3
62.5°	2707.8	2206.0	1554.3	856.2	406.3	286.3	275.4	279.5	283.6	301.3	302.7
65°	2855.0	2317.8	1559.8	748.5	330.0	260.4	267.2	270.0	280.9	301.3	302.7
67°	2938.2	2394.2	1523.0	646.3	282.2	246.8	256.3	259.1	278.1	298.6	301.3
67.5°	2947.8	2410.6	1498.4	620.4	272.7	244.1	253.6	259.1	278.1	298.6	300.0
70°	2919.1	2399.7	1334.8	467.7	225.0	225.0	235.9	248.1	267.2	289.0	298.6
72.5°	2664.2	2188.3	1033.5	317.7	190.9	203.2	219.5	237.2	255.0	280.9	297.2
75°	1683.8	1408.4	632.6	212.7	159.5	181.3	207.2	227.7	242.7	261.8	272.7
77.5°	899.9	696.7	272.7	125.4	125.4	160.9	192.2	211.3	219.5	226.3	233.1
80°	425.4	324.5	132.3	75.0	87.3	125.4	170.4	190.9	193.6	201.8	204.5
82.5°	84.5	73.6	43.6	39.5	57.3	90.0	141.8	165.0	166.3	180.0	182.7
85°	10.9	9.5	6.8	15.0	36.8	66.8	109.1	141.8	144.5	144.5	141.8
87.5°	5.5	4.1	4.1	10.9	27.3	50.4	90.0	118.6	120.0	94.1	91.4
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)