

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: P1211830

Luminaire Tested: **GKO-PB2B-735-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211830
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-735-U-T3
Description: GEKKO WALL PACK 6000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

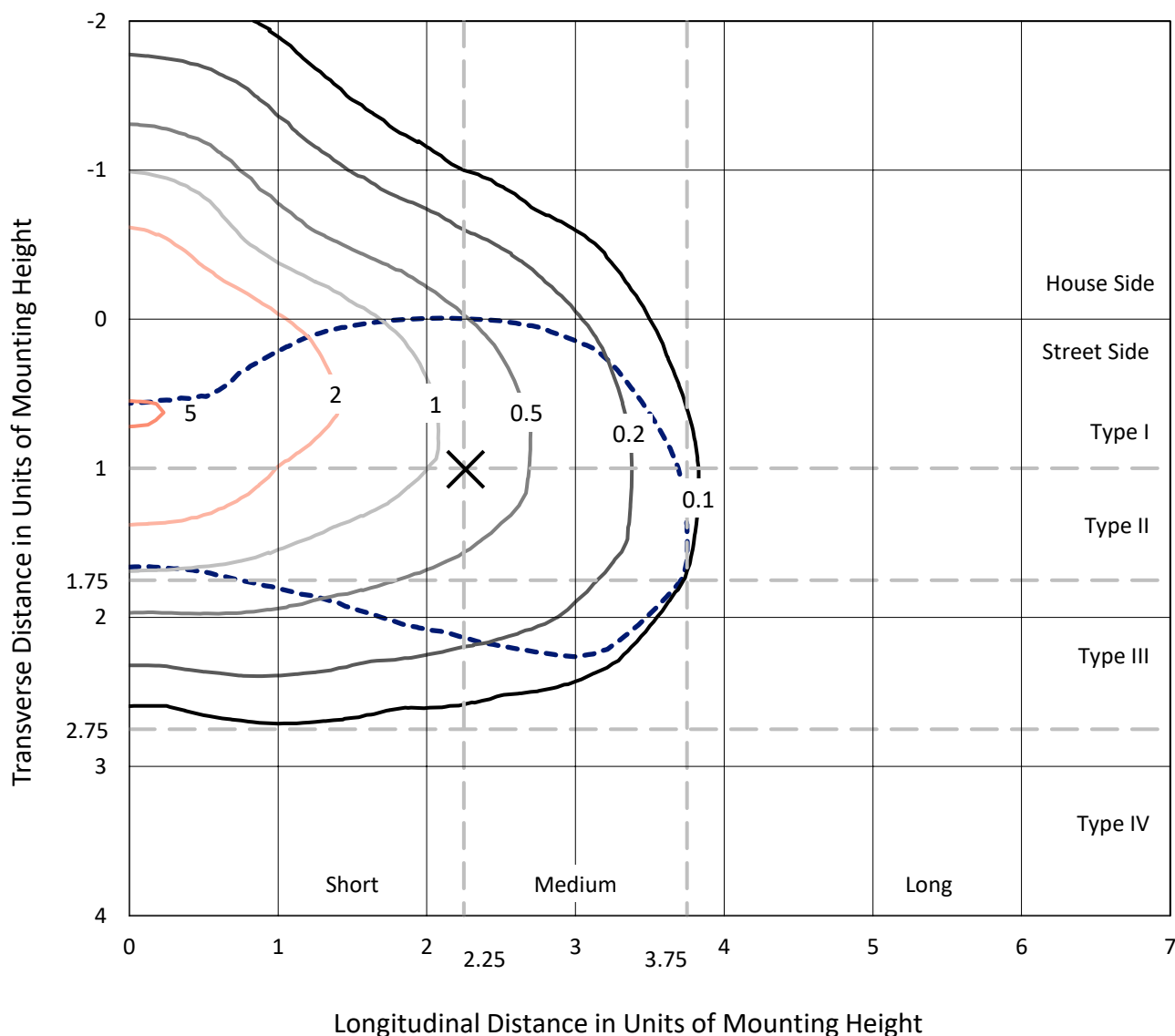
Lumens per Lamp: N/A
Luminaire Lumens: 6072.3 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
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

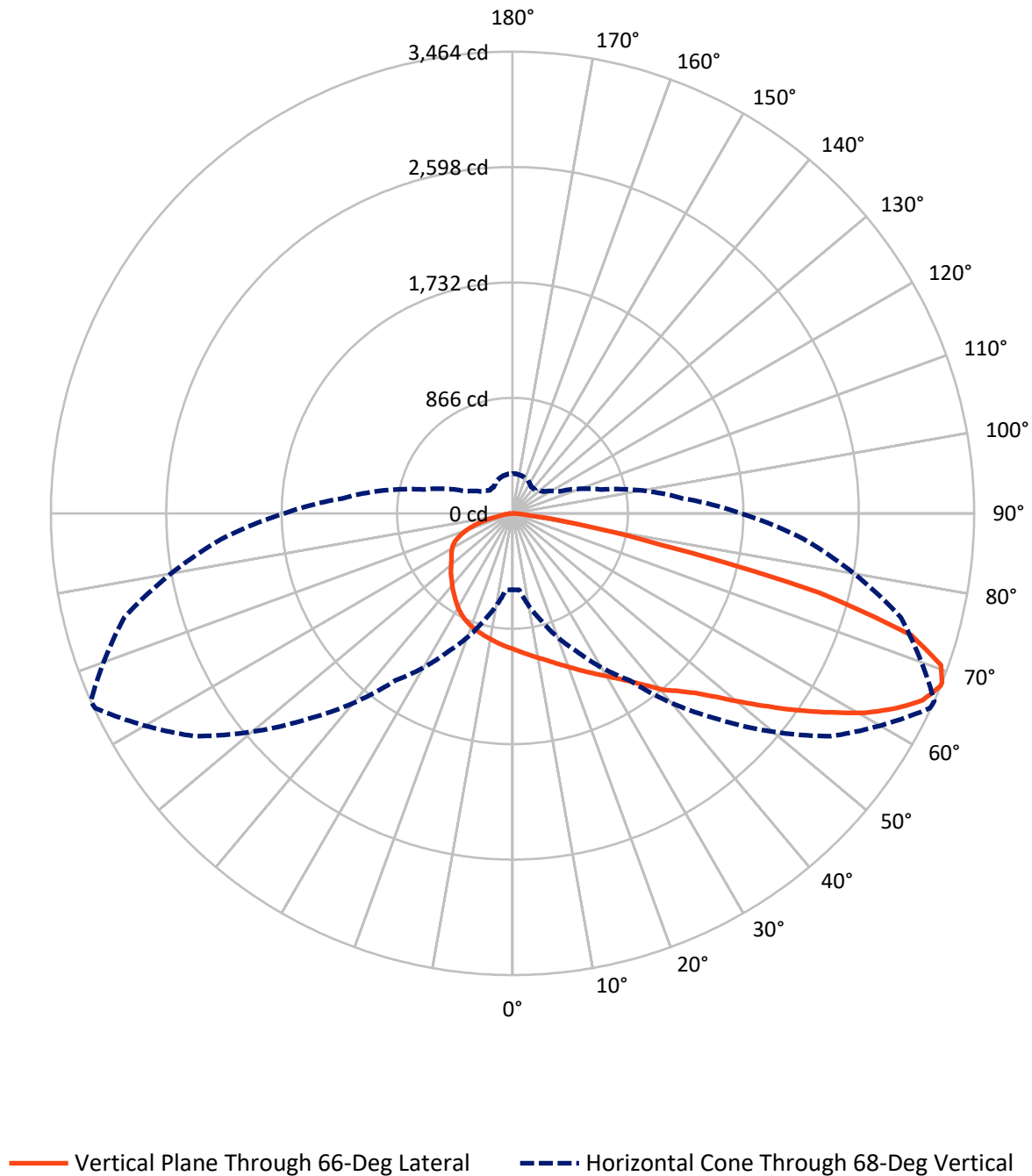
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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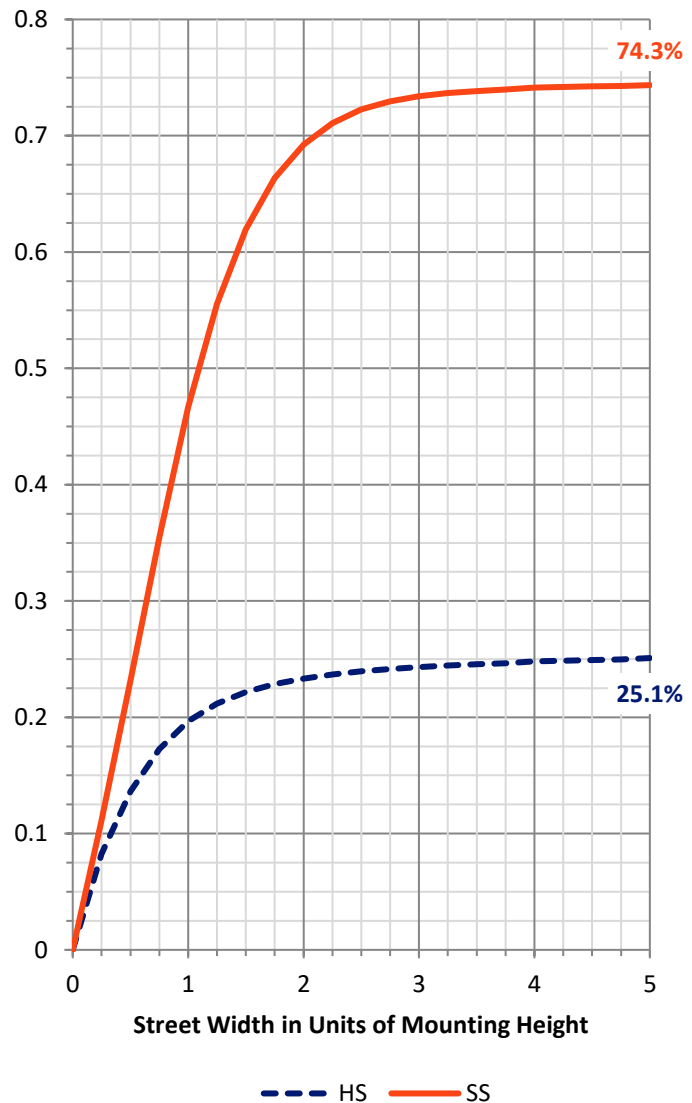
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1554.6	0.0	1554.6
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4517.7	0.0	4517.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	6072.3	0.0	6072.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	1.6
10°-20°	293.7	4.8
20°-30°	506.1	8.3
30°-40°	785.0	12.9
40°-50°	1075.5	17.7
50°-60°	1282.9	21.1
60°-70°	1285.5	21.2
70°-80°	680.3	11.2
80°-90°	65.7	1.1
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°	6072.3	100.0
0°-180°	6072.3	100.0



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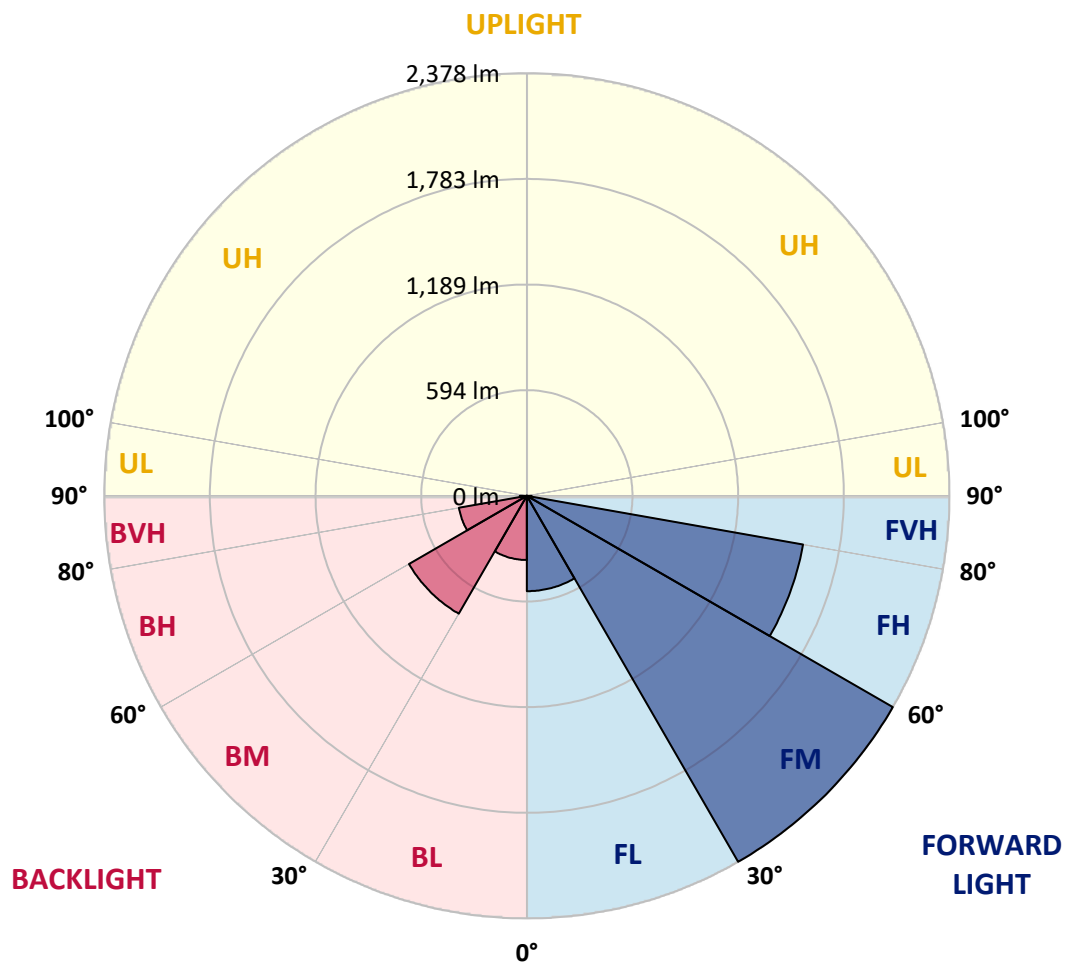
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.4	8.8			
FM	(30°-60°)	2377.6	39.2			
FH	(60°-80°)	1577.9	26.0			G1/1800
FVH	(80°-90°)	25.8	0.4			G1/100
BL	(0°-30°)	361.1	5.9	B1/500		
BM	(30°-60°)	765.8	12.6	B1/1000		
BH	(60°-80°)	387.9	6.4	B1/500		G1/500
BVH	(80°-90°)	39.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5
2.5°	1060.9	1060.9	1058.5	1057.4	1056.2	1049.1	1044.4	1038.5	1038.5	1029.1	1020.8
5°	1097.4	1098.6	1093.9	1093.9	1089.2	1079.8	1070.3	1058.5	1058.5	1044.4	1027.9
7.5°	1129.3	1132.8	1128.1	1128.1	1123.4	1112.8	1097.4	1080.9	1080.9	1060.9	1037.3
10°	1159.9	1162.3	1159.9	1162.3	1155.2	1145.8	1128.1	1105.7	1104.5	1079.8	1046.7
12.5°	1184.7	1187.0	1188.2	1191.7	1185.8	1178.8	1162.3	1134.0	1130.4	1101.0	1058.5
15°	1208.2	1210.6	1214.1	1218.8	1217.7	1211.8	1196.5	1164.6	1162.3	1124.5	1073.9
17.5°	1227.1	1228.3	1235.4	1244.8	1247.1	1248.3	1231.8	1198.8	1196.5	1151.7	1090.4
20°	1254.2	1256.6	1263.6	1273.1	1280.1	1284.9	1271.9	1235.4	1233.0	1183.5	1111.6
22.5°	1315.5	1312.0	1315.5	1315.5	1319.0	1326.1	1316.7	1280.1	1275.4	1221.2	1137.5
25°	1431.0	1427.5	1418.1	1396.8	1373.3	1372.1	1361.5	1326.1	1320.2	1260.1	1162.3
27.5°	1592.5	1584.3	1566.6	1521.8	1465.2	1428.7	1412.2	1375.6	1368.6	1299.0	1185.8
30°	1763.4	1772.9	1743.4	1682.1	1578.4	1500.6	1468.7	1427.5	1421.6	1342.6	1214.1
32.5°	1962.7	1963.8	1934.4	1849.5	1715.1	1591.3	1537.1	1486.4	1481.7	1393.3	1251.9
35°	2078.2	2082.9	2069.9	1990.9	1837.7	1691.5	1619.6	1558.3	1554.8	1457.0	1299.0
37.5°	2198.4	2209.0	2189.0	2101.7	1930.8	1784.7	1711.6	1644.4	1640.8	1530.0	1357.9
40°	2376.4	2371.7	2350.5	2222.0	2018.1	1862.5	1802.3	1749.3	1741.0	1619.6	1418.1
42.5°	2504.9	2516.7	2470.7	2325.7	2113.5	1940.3	1893.1	1833.0	1822.4	1673.9	1453.4
45°	2548.5	2537.9	2487.2	2381.1	2238.5	2011.0	1979.2	1933.2	1922.6	1769.3	1523.0
47.5°	2557.9	2539.1	2494.3	2414.1	2344.6	2102.9	2084.1	2073.5	2058.1	1889.6	1606.7
50°	2500.2	2487.2	2466.0	2425.9	2412.9	2189.0	2198.4	2237.3	2224.3	2019.2	1699.8
52.5°	2369.3	2363.4	2382.3	2408.2	2374.0	2263.2	2334.0	2412.9	2408.2	2161.9	1800.0
55°	2123.0	2123.0	2229.1	2319.8	2339.9	2311.6	2480.1	2615.7	2609.8	2322.2	1895.5
57.5°	1897.8	1901.4	1989.8	2193.7	2278.6	2363.4	2642.8	2827.9	2818.4	2502.5	1995.7
60°	1613.7	1613.7	1748.1	2003.9	2190.2	2403.5	2786.6	3033.0	3038.9	2677.0	2094.7
62.5°	1277.8	1281.3	1467.6	1768.2	2062.8	2410.6	2901.0	3226.3	3225.1	2834.9	2171.3
65°	941.8	943.0	1196.5	1506.5	1871.9	2361.1	2963.4	3374.8	3381.9	2959.9	2216.1
67.5°	611.8	623.6	880.5	1222.4	1601.9	2220.8	2930.4	3453.8	3462.1	3017.7	2201.9
68°	572.9	575.2	833.4	1144.6	1528.9	2185.4	2915.1	3457.3	3464.4	3016.5	2187.8
70°	371.3	371.3	596.5	893.5	1220.0	1965.0	2781.9	3401.9	3410.2	2964.6	2085.2
72.5°	200.4	203.9	340.7	541.1	833.4	1520.6	2510.8	3113.1	3127.3	2680.5	1823.6
75°	140.3	142.6	198.0	302.9	453.8	990.2	1962.7	2378.8	2376.4	1851.8	1142.2
77.5°	101.4	101.4	113.2	188.6	238.1	452.6	971.3	1145.8	1132.8	904.1	576.4
80°	66.0	66.0	70.7	99.0	114.3	137.9	297.1	496.3	505.7	440.9	287.6
82.5°	27.1	28.3	30.6	40.1	41.3	57.8	84.9	142.6	137.9	112.0	81.3
85°	3.5	3.5	4.7	5.9	7.1	13.0	11.8	11.8	11.8	14.1	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.5	3.5	4.7	3.5
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°	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5	1018.5
2.5°	1018.5	1018.5	1011.4	1004.3	997.2	991.3	983.1	977.2	978.4	981.9	980.7
5°	1024.4	1018.5	1004.3	989.0	977.2	966.6	951.3	943.0	941.8	944.2	943.0
7.5°	1027.9	1018.5	997.2	973.7	954.8	940.7	919.4	911.2	907.7	908.8	908.8
10°	1035.0	1019.6	990.2	957.2	933.6	913.5	891.2	879.4	875.8	875.8	874.6
12.5°	1043.2	1022.0	983.1	943.0	912.4	888.8	862.9	849.9	846.4	846.4	845.2
15°	1051.5	1025.5	976.0	927.7	892.3	864.0	839.3	824.0	819.2	819.2	821.6
17.5°	1062.1	1029.1	968.9	913.5	871.1	839.3	813.4	798.0	792.1	795.7	798.0
20°	1072.7	1036.1	961.9	898.2	849.9	816.9	791.0	775.6	769.7	775.6	776.8
22.5°	1088.0	1042.0	953.6	880.5	828.7	792.1	768.6	754.4	750.9	756.8	761.5
25°	1103.3	1049.1	943.0	861.7	801.6	766.2	747.3	736.7	737.9	746.2	750.9
27.5°	1119.8	1055.0	932.4	838.1	772.1	739.1	724.9	722.6	727.3	736.7	742.6
30°	1139.9	1063.3	918.3	811.0	739.1	709.6	703.7	710.8	719.1	728.5	734.4
32.5°	1165.8	1073.9	904.1	780.3	704.9	677.8	687.2	702.5	712.0	721.4	727.3
35°	1202.3	1095.1	895.9	749.7	668.4	650.7	671.9	696.7	703.7	709.6	716.7
37.5°	1244.8	1123.4	892.3	721.4	635.4	627.1	656.6	686.0	688.4	690.8	697.8
40°	1286.0	1144.6	882.9	690.8	601.2	601.2	637.7	666.0	664.8	661.3	666.0
42.5°	1302.5	1142.2	855.8	661.3	574.1	575.2	608.2	635.4	628.3	628.3	635.4
45°	1349.7	1161.1	835.7	637.7	549.3	544.6	570.5	591.7	603.5	618.9	625.9
47.5°	1409.8	1187.0	820.4	610.6	525.7	510.4	524.6	559.9	580.0	596.5	602.4
50°	1472.3	1216.5	806.3	582.3	502.2	471.5	478.6	517.5	535.2	543.4	546.9
52.5°	1535.9	1243.6	795.7	558.7	475.0	425.5	440.9	477.4	490.4	495.1	497.4
55°	1592.5	1266.0	786.2	538.7	444.4	389.0	400.8	438.5	447.9	452.6	456.2
57.5°	1652.6	1290.8	780.3	519.8	410.2	357.2	365.4	399.6	412.6	417.3	420.8
60°	1705.7	1314.3	775.6	499.8	378.4	328.9	333.6	366.6	380.7	383.1	386.6
62.5°	1741.0	1329.7	768.6	475.0	348.9	301.8	302.9	334.8	350.1	352.5	354.8
65°	1750.5	1326.1	747.3	442.0	319.4	274.7	274.7	305.3	321.8	330.1	333.6
67.5°	1722.2	1296.6	702.5	399.6	291.2	249.9	249.9	277.0	294.7	304.1	307.7
68°	1712.8	1283.7	688.4	389.0	284.1	244.0	244.0	272.3	288.8	297.1	299.4
70°	1632.6	1220.0	623.6	348.9	261.7	226.3	226.3	251.1	268.8	268.8	267.6
72.5°	1418.1	1057.4	512.8	292.3	228.7	200.4	203.9	227.5	233.4	239.3	238.1
75°	878.2	633.0	344.2	231.0	192.1	175.6	182.7	203.9	207.5	220.4	216.9
77.5°	439.7	310.0	182.7	134.4	148.5	150.9	163.8	179.2	189.8	203.9	194.5
80°	216.9	150.9	107.3	83.7	87.2	110.8	142.6	154.4	173.3	182.7	174.5
82.5°	60.1	46.0	43.6	46.0	64.8	86.1	112.0	136.7	161.5	169.7	158.0
85°	10.6	8.3	7.1	22.4	44.8	63.7	90.8	121.4	145.0	139.1	130.8
87.5°	3.5	2.4	2.4	14.1	33.0	51.9	77.8	108.4	123.8	112.0	100.2
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)