

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: P200652

Luminaire Tested: **GWC-AF-02-LED-E1-T2-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-02-LED-E1-T2-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6553 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full 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



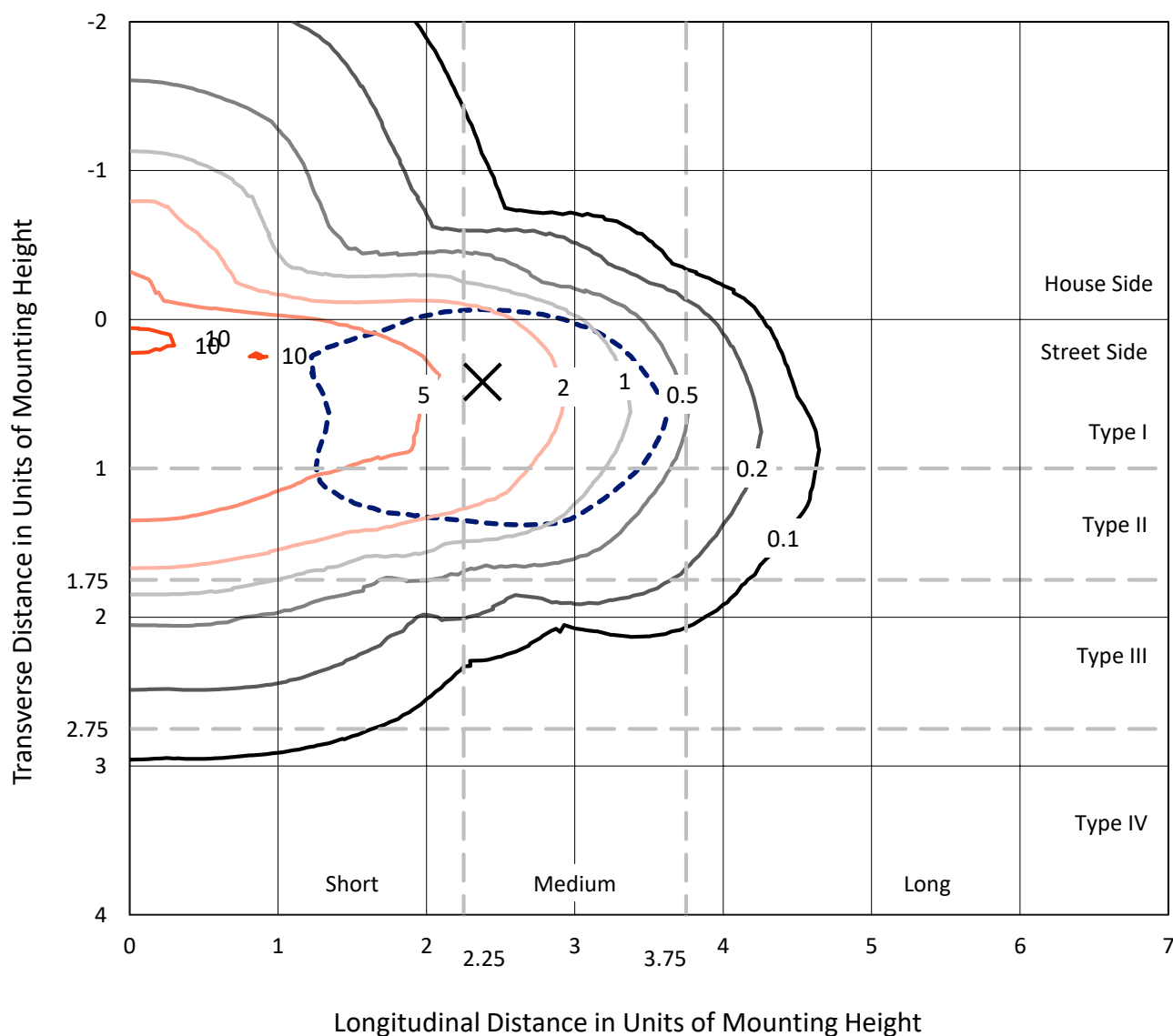
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

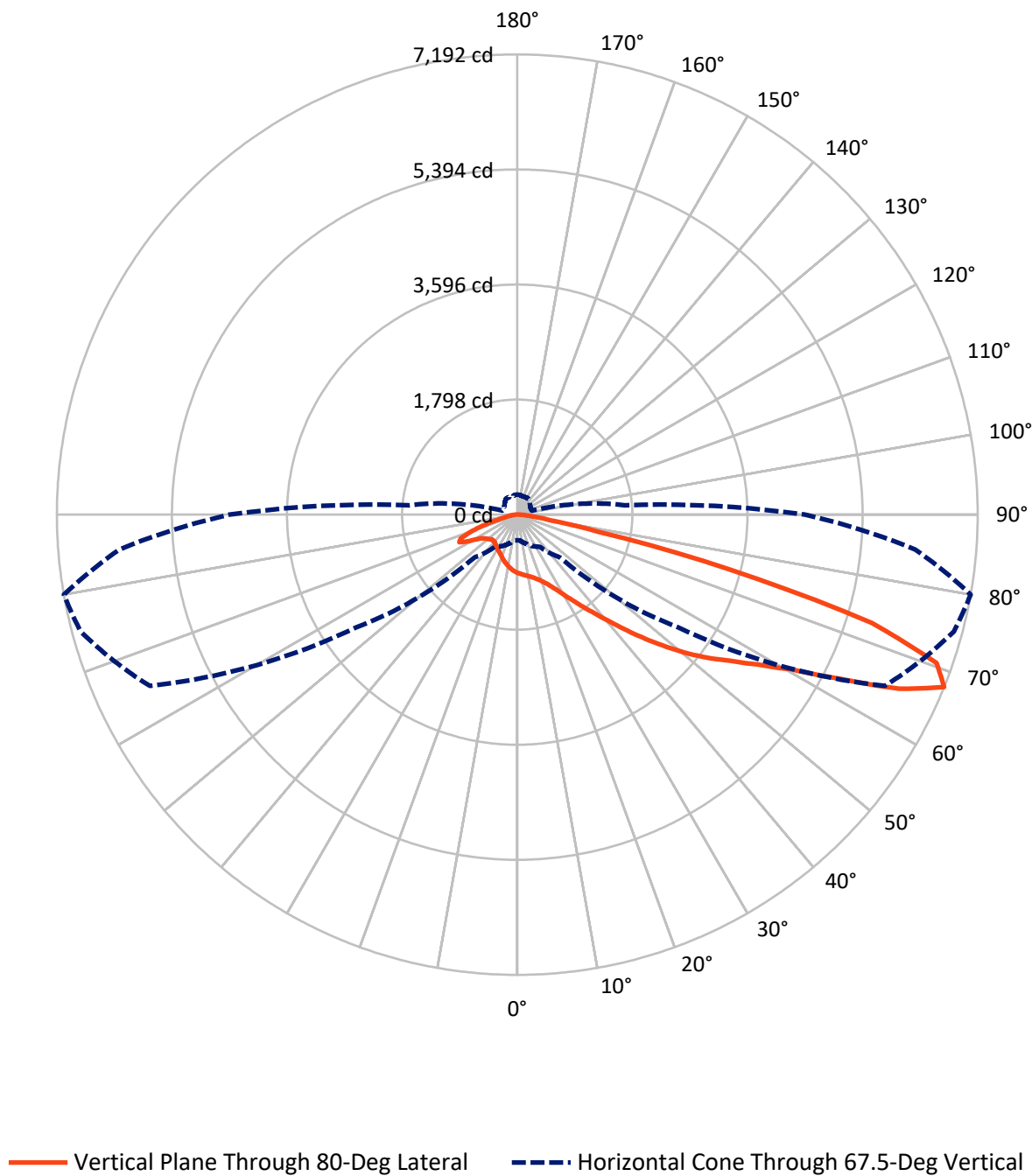


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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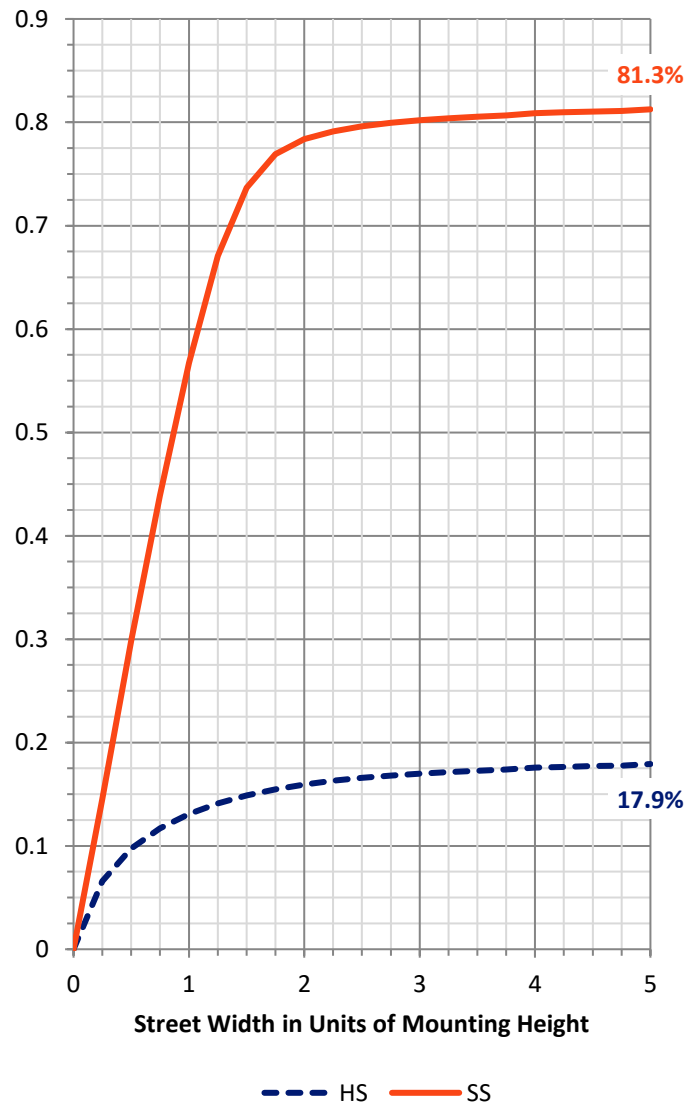
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.8	0.0	1206.8
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	5346.2	0.0	5346.2
	% Fixture	81.6	0.0	81.6
Total	Lumens	6553.0	0.0	6553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	241.9	3.7
20°-30°	400.4	6.1
30°-40°	655.0	10.0
40°-50°	1057.6	16.1
50°-60°	1526.8	23.3
60°-70°	1685.0	25.7
70°-80°	776.7	11.9
80°-90°	125.6	1.9
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°	6553.0	100.0
0°-180°	6553.0	100.0

Coefficient of Utilization



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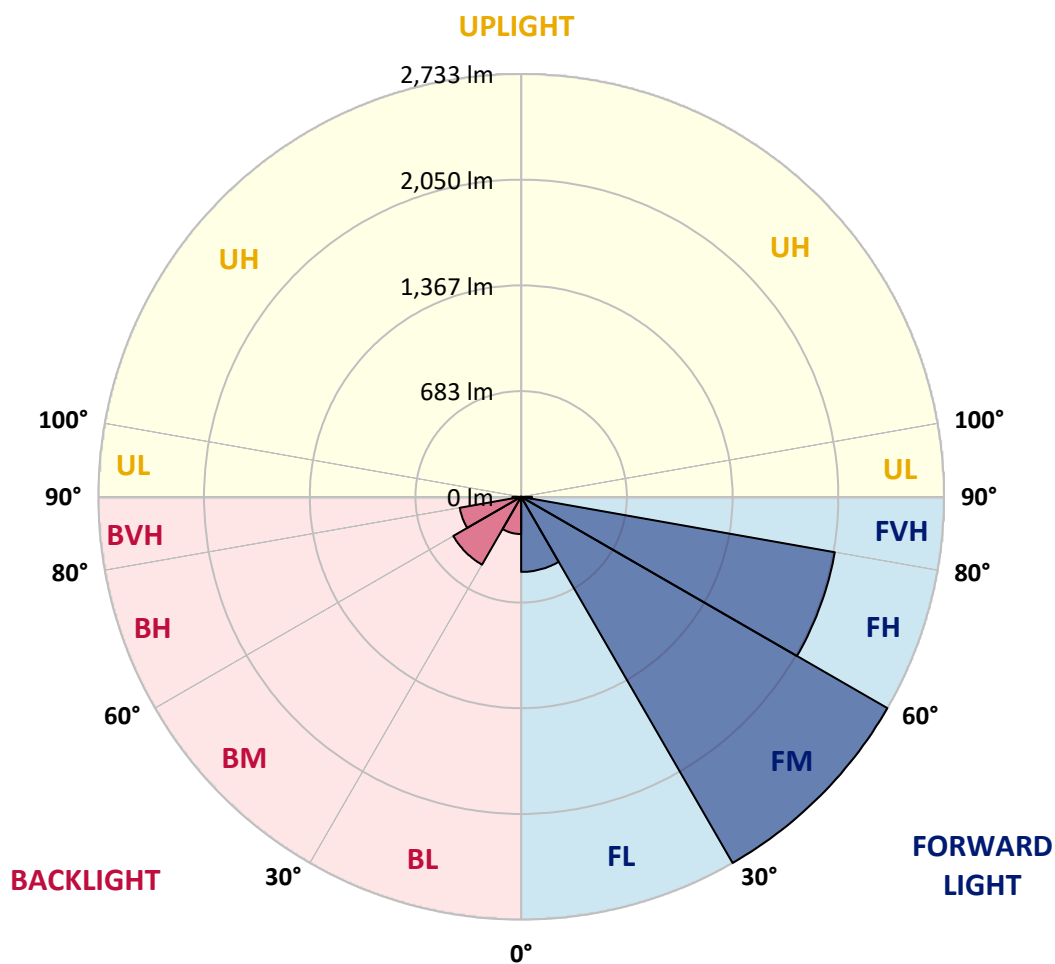
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.6	7.4			
FM	(30°-60°)	2733.1	41.7			
FH	(60°-80°)	2058.5	31.4			G2/5000
FVH	(80°-90°)	69.1	1.1			G1/100
BL	(0°-30°)	240.8	3.7	B1/500		
BM	(30°-60°)	506.3	7.7	B1/1000		
BH	(60°-80°)	403.1	6.2	B1/500		G1/500
BVH	(80°-90°)	56.6	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	995.9	990.1	991.1	989.4	984.6	976.2	967.2	950.7	933.6	924.6	917.5
5°	1079.1	1077.5	1075.3	1070.1	1057.8	1040.4	1018.8	989.8	958.5	942.0	926.2
7.5°	1141.4	1140.4	1137.5	1134.3	1122.4	1101.4	1068.8	1027.5	982.0	959.4	934.9
10°	1146.6	1148.2	1150.4	1159.1	1160.7	1149.5	1116.2	1066.2	1006.5	977.5	946.2
12.5°	1102.7	1106.2	1114.9	1137.2	1160.7	1174.6	1157.5	1106.9	1035.3	1000.1	960.4
15°	1044.6	1046.5	1057.2	1087.8	1130.1	1173.0	1189.1	1151.7	1072.4	1029.1	981.7
17.5°	1019.8	1020.7	1028.2	1048.5	1087.8	1149.1	1206.9	1200.4	1117.8	1065.3	1007.8
20°	1007.2	1009.4	1020.1	1040.1	1064.9	1118.5	1209.5	1253.0	1172.0	1110.4	1040.7
22.5°	1043.0	1042.0	1045.9	1055.9	1076.9	1109.1	1207.5	1307.2	1241.1	1168.5	1083.6
25°	1126.6	1130.1	1123.3	1112.0	1118.8	1141.4	1217.8	1365.9	1327.5	1243.0	1139.8
27.5°	1245.6	1242.0	1232.0	1205.6	1191.7	1201.4	1252.0	1429.2	1435.0	1341.1	1214.0
30°	1364.3	1361.4	1351.7	1319.5	1291.1	1283.0	1318.5	1501.7	1563.0	1458.8	1305.0
32.5°	1487.5	1484.3	1475.3	1443.0	1408.8	1390.1	1413.0	1585.6	1714.0	1599.5	1412.1
35°	1639.5	1633.4	1614.3	1569.5	1535.9	1521.4	1532.1	1691.1	1888.2	1766.0	1542.1
37.5°	1782.4	1791.8	1772.4	1710.5	1666.9	1661.8	1673.7	1819.8	2076.0	1952.1	1691.4
40°	1926.0	1927.6	1910.2	1859.5	1814.7	1806.3	1836.3	1976.0	2297.6	2174.7	1873.1
42.5°	2074.4	2077.6	2048.2	2001.5	1968.6	1970.2	2004.4	2158.9	2551.8	2437.0	2082.1
45°	2250.2	2255.0	2222.8	2161.5	2131.5	2191.8	2177.6	2364.1	2830.6	2735.1	2322.1
47.5°	2434.1	2441.5	2417.0	2359.6	2322.1	2405.0	2350.9	2591.5	3130.6	3054.8	2585.7
50°	2534.4	2545.1	2568.9	2564.7	2556.7	2542.8	2544.1	2835.4	3440.0	3387.7	2856.7
52.5°	2480.5	2480.2	2567.3	2673.1	2786.1	2794.4	2779.6	3092.5	3729.0	3713.2	3111.9
55°	2234.1	2250.8	2382.8	2587.6	2896.1	3088.7	3132.5	3387.1	4012.9	4031.3	3370.9
57.5°	1823.7	1837.6	2015.7	2301.2	2747.7	3263.5	3634.5	3815.2	4330.4	4416.2	3715.8
60°	1236.9	1253.7	1442.4	1785.3	2348.3	3166.1	4112.3	4579.1	4710.4	4905.6	4199.7
62.5°	726.8	742.0	895.9	1126.2	1653.4	2713.5	4322.0	5666.0	5314.0	5644.0	4937.9
65°	500.4	510.7	585.5	701.0	950.1	1827.6	4062.0	6416.4	6242.8	6559.0	5793.7
67.5°	402.6	401.3	460.7	539.4	611.7	942.3	3071.6	6331.5	7059.7	7191.6	6238.0
70°	331.6	330.4	370.7	435.8	488.8	530.7	1673.0	5343.0	6893.2	6946.7	5828.9
72.5°	277.4	278.7	304.5	352.9	401.0	399.7	735.2	3758.7	5422.7	5793.1	4646.5
75°	234.2	234.9	252.0	286.2	325.5	322.0	398.7	2036.3	3152.2	3410.0	2575.7
77.5°	199.4	200.0	211.0	230.0	258.1	256.8	291.0	879.8	1315.0	1298.8	881.0
80°	177.8	177.8	182.9	186.5	202.0	196.1	215.8	422.6	555.9	513.3	351.6
82.5°	139.4	140.0	171.6	170.3	159.0	151.6	151.6	249.1	294.5	272.3	205.8
85°	78.4	78.1	110.7	133.6	140.0	106.8	105.8	139.4	160.3	141.3	99.7
87.5°	33.6	34.2	51.3	59.4	79.4	66.5	65.5	71.9	81.6	70.7	46.1
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°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4
2.5°	910.7	902.3	883.9	861.0	840.4	826.8	814.6	796.8	797.8	785.6	776.5
5°	910.1	892.7	850.1	799.4	750.7	715.5	689.1	665.2	659.4	648.1	641.3
7.5°	910.7	882.3	810.7	729.7	669.4	624.9	602.3	589.7	586.8	583.0	583.3
10°	913.0	873.0	767.5	664.6	601.3	572.0	566.5	570.4	574.9	576.2	576.5
12.5°	918.1	864.6	720.1	606.5	558.8	549.7	559.1	572.3	581.0	585.2	584.9
15°	929.8	858.1	674.6	561.0	535.2	540.0	557.5	576.2	588.8	594.6	594.9
17.5°	942.3	848.8	627.8	526.2	517.8	530.0	551.7	573.6	589.1	595.5	596.8
20°	958.8	837.2	578.8	500.0	501.3	515.2	535.5	557.5	574.6	580.1	582.6
22.5°	980.4	824.6	535.9	478.8	482.6	493.3	509.1	528.1	543.0	545.5	547.8
25°	1009.4	811.0	501.7	459.4	461.0	467.1	477.8	489.1	499.4	496.5	498.8
27.5°	1048.5	799.4	476.2	441.7	438.7	440.0	445.5	449.1	454.6	446.5	447.5
30°	1094.3	786.8	456.5	426.2	418.1	415.8	417.1	419.1	423.3	412.3	410.7
32.5°	1147.5	771.7	438.1	412.6	401.3	396.8	397.5	402.6	418.7	412.0	408.4
35°	1209.5	754.6	418.7	397.8	390.0	383.6	382.9	399.1	447.1	442.9	439.7
37.5°	1282.0	737.5	399.4	381.0	381.6	374.5	372.3	390.7	452.6	436.2	433.9
40°	1374.3	728.5	382.9	363.3	371.3	370.4	365.8	375.2	416.5	386.5	382.6
42.5°	1488.5	729.7	370.7	344.2	359.1	369.4	362.3	362.6	377.5	354.9	351.3
45°	1629.5	744.9	362.0	329.1	345.2	368.4	361.0	355.8	357.1	345.2	343.3
47.5°	1794.0	776.2	355.8	316.5	332.0	364.9	360.7	353.9	351.0	344.5	342.9
50°	1976.9	821.7	351.3	304.5	320.0	359.1	361.0	352.0	348.7	346.2	345.2
52.5°	2156.6	873.6	344.5	294.2	310.7	352.0	362.0	350.0	346.5	344.5	343.6
55°	2357.0	938.5	334.2	285.5	302.9	342.9	362.0	347.1	343.3	343.6	343.3
57.5°	2627.6	1043.3	322.0	278.1	293.6	332.0	355.8	343.9	339.1	339.4	339.7
60°	3050.6	1228.2	307.1	270.7	282.0	319.1	347.4	336.8	332.0	333.3	333.6
62.5°	3672.6	1499.5	287.8	259.7	269.7	305.2	335.8	327.8	322.9	326.2	326.2
65°	4319.1	1738.9	263.9	245.8	256.8	290.0	321.3	316.5	311.6	319.1	318.7
67.5°	4493.0	1685.3	240.0	230.7	243.9	273.2	303.9	301.3	298.7	311.6	311.0
70°	3991.3	1353.0	218.1	215.2	229.7	255.2	285.2	285.2	283.6	293.3	291.0
72.5°	3040.9	959.4	197.1	198.7	213.6	235.5	264.9	267.1	264.5	269.4	267.4
75°	1627.9	549.1	176.1	180.7	193.6	215.5	242.3	244.5	242.9	242.6	243.6
77.5°	541.0	268.4	154.2	161.3	172.6	194.9	218.7	222.3	218.4	217.8	217.4
80°	241.0	168.7	130.0	139.4	149.4	171.3	193.9	196.8	192.6	198.4	191.0
82.5°	154.9	111.0	104.2	114.5	124.2	147.8	169.0	169.7	165.8	192.6	164.2
85°	75.2	68.7	78.4	87.7	96.1	116.1	140.0	140.3	130.7	119.0	114.8
87.5°	37.4	40.0	52.3	60.7	64.8	79.7	101.9	100.0	95.8	87.1	80.3
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)