

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: STREETWORKS

Report Number: P286965

Luminaire Tested: **USSL-C02-D-U-T3-BZ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C02-D-U-T3-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20414 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 153
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: 28.75 FT



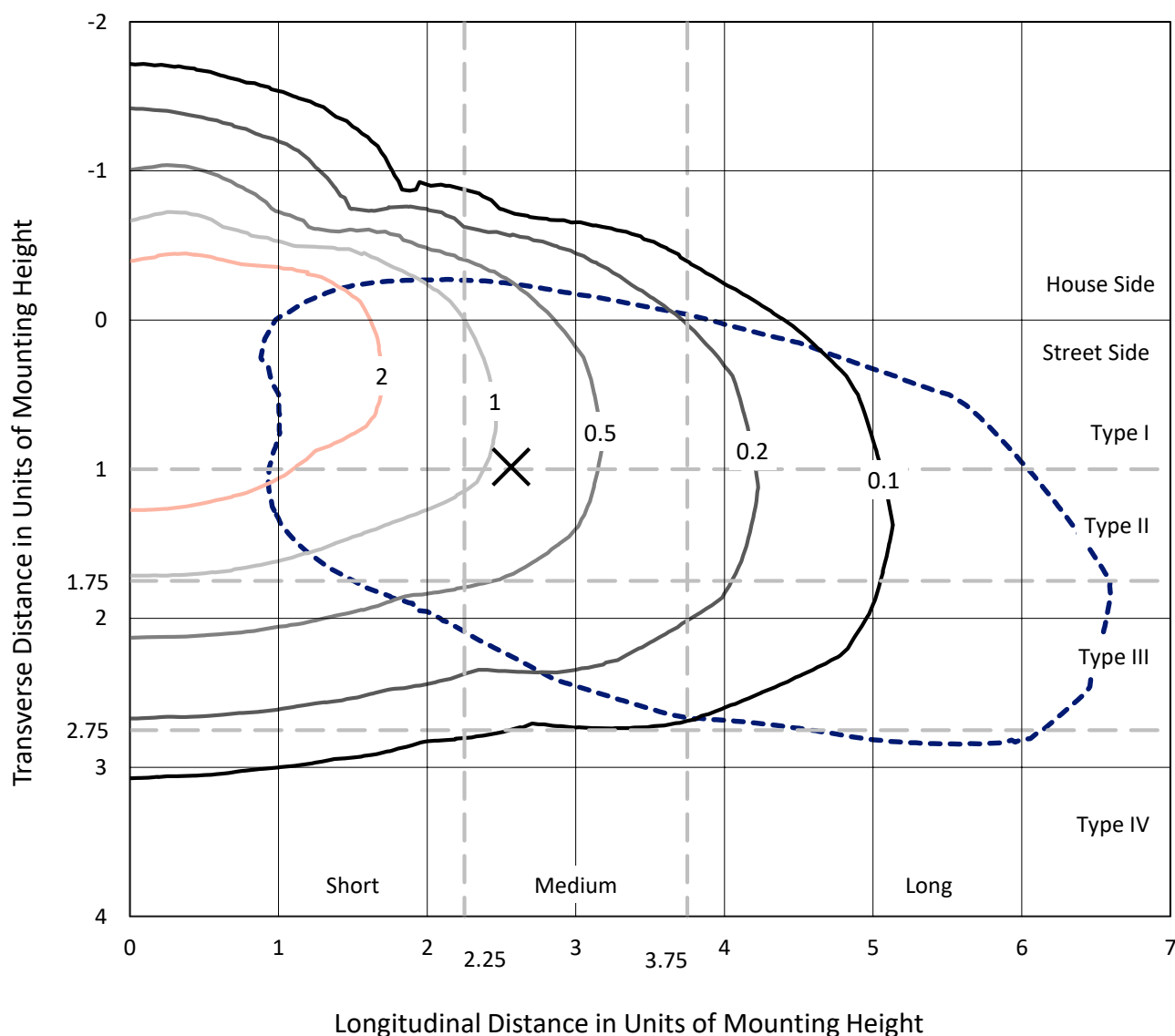
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

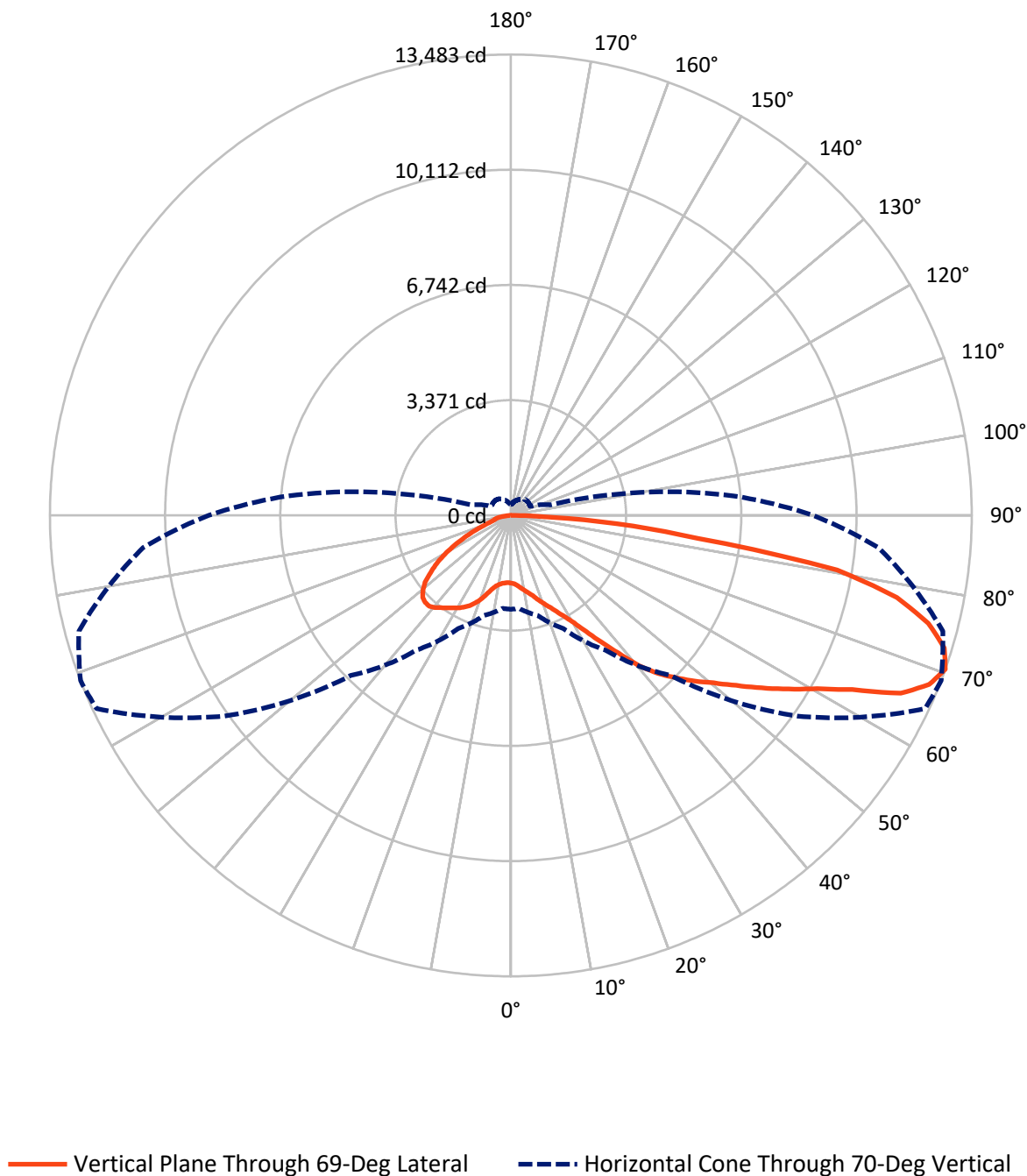


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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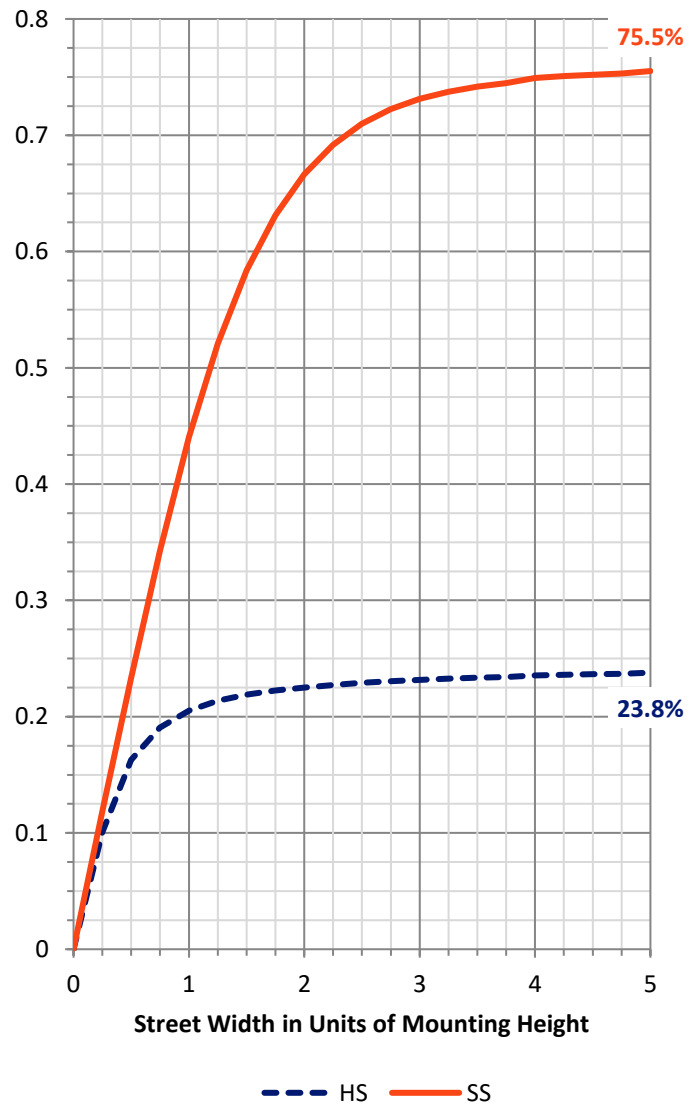
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4951.4	0.0	4951.4
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	15462.6	0.0	15462.6
	% Fixture	75.7	0.0	75.7
Total	Lumens	20414.0	0.0	20414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	1.0
10°-20°	645.6	3.2
20°-30°	1214.1	5.9
30°-40°	2078.5	10.2
40°-50°	3174.5	15.6
50°-60°	4105.3	20.1
60°-70°	4669.7	22.9
70°-80°	3558.2	17.4
80°-90°	771.9	3.8
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°	20414.0	100.0
0°-180°	20414.0	100.0

Coefficient of Utilization



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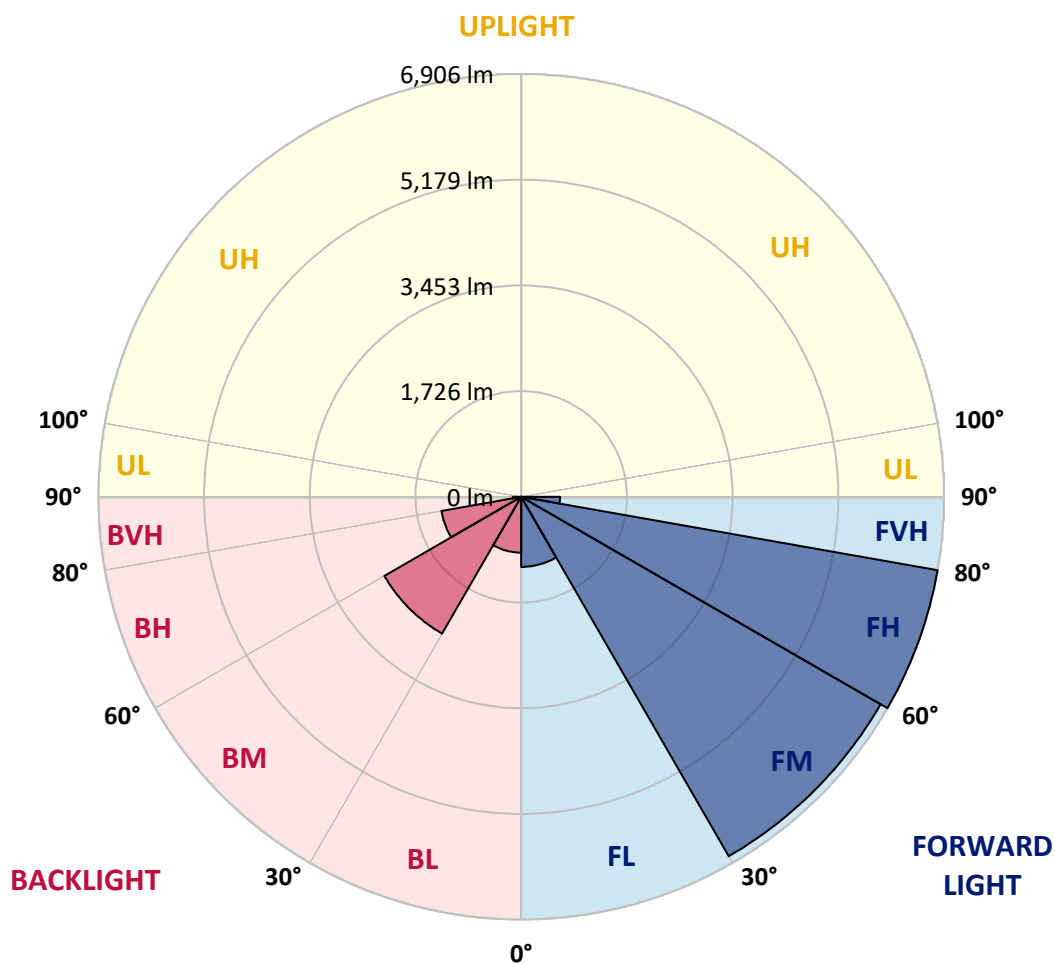
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1144.4	5.6			
FM	(30°-60°)	6778.0	33.2			
FH	(60°-80°)	6905.8	33.8			G3/7500
FVH	(80°-90°)	634.5	3.1			G4/750
BL	(0°-30°)	911.6	4.5	B2/1000		
BM	(30°-60°)	2580.3	12.6	B3/5000		
BH	(60°-80°)	1322.1	6.5	B3/2500		G3/2500
BVH	(80°-90°)	137.4	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	2103.7	2089.7	2090.7	2054.8	2055.8	2041.8	2033.8	2021.8	2001.9	2008.8	1975.9
5°	2205.4	2186.5	2192.5	2149.6	2147.6	2128.6	2108.6	2072.7	2063.7	2059.7	2030.8
7.5°	2272.3	2268.3	2265.3	2243.4	2241.4	2219.4	2200.5	2161.5	2146.6	2128.6	2091.7
10°	2337.2	2340.2	2343.2	2305.2	2329.2	2303.2	2282.3	2250.4	2230.4	2224.4	2167.5
12.5°	2370.1	2373.1	2389.1	2378.1	2392.1	2406.0	2385.1	2352.1	2332.2	2332.2	2266.3
15°	2399.0	2407.0	2434.0	2443.0	2467.9	2479.9	2495.8	2474.9	2444.9	2440.0	2385.1
17.5°	2447.9	2444.0	2467.9	2507.8	2536.8	2559.7	2604.6	2598.6	2596.6	2583.7	2543.7
20°	2513.8	2506.8	2530.8	2547.7	2592.6	2661.5	2722.4	2753.3	2751.3	2744.3	2709.4
22.5°	2585.7	2578.7	2579.7	2592.6	2653.5	2757.3	2851.1	2910.0	2911.0	2915.0	2946.9
25°	2708.4	2679.5	2670.5	2681.5	2754.3	2881.0	3001.8	3098.6	3117.6	3140.5	3242.3
27.5°	3005.8	3019.8	2898.0	2819.2	2880.0	3035.7	3177.4	3320.1	3350.1	3418.9	3622.5
30°	3467.8	3444.9	3383.0	3211.4	3072.7	3211.4	3411.0	3587.6	3644.5	3820.1	4003.7
32.5°	3817.1	3818.1	3788.2	3642.5	3450.9	3416.9	3642.5	3934.9	4047.6	4374.0	4538.6
35°	4171.4	4156.4	4182.4	4044.6	3875.0	3754.2	3895.0	4281.2	4539.6	5022.6	5111.4
37.5°	4503.7	4508.7	4514.7	4381.9	4301.1	4259.2	4243.2	4729.2	5100.5	5625.4	5681.3
40°	4750.2	4777.1	4796.1	4723.2	4694.3	4696.3	4627.4	5261.1	5775.1	6292.0	6228.1
42.5°	4946.8	4977.7	5115.4	5017.6	5059.5	5143.4	5131.4	5682.3	6321.9	6802.9	6729.1
45°	5111.4	5112.4	5208.2	5247.2	5396.8	5555.5	5568.5	6131.3	6775.0	7264.0	7122.3
47.5°	5225.2	5205.2	5280.1	5438.8	5714.2	5900.8	6024.6	6639.3	7243.0	7677.1	7524.5
50°	5260.1	5288.1	5412.8	5614.4	5981.6	6276.0	6536.5	7283.0	7699.1	8081.3	7850.8
52.5°	5325.0	5337.0	5511.6	5775.1	6253.1	6645.3	6904.7	7947.6	8259.9	8495.4	8250.0
55°	5379.9	5413.8	5580.5	5859.9	6424.7	6944.7	7294.9	8553.3	8905.6	8951.5	8668.1
57.5°	5183.3	5216.2	5512.6	5883.8	6567.4	7186.2	7723.0	9142.1	9580.2	9502.4	9033.3
60°	4820.0	4858.0	5213.2	5818.0	6590.4	7455.6	8283.9	9924.5	10292.7	10198.9	9444.5
62.5°	4490.7	4492.7	4876.9	5535.6	6481.6	7640.2	8965.5	10936.4	11213.8	11049.2	9900.5
65°	4056.6	4052.6	4399.9	5081.5	6174.2	7583.3	9497.4	12171.8	12539.1	12072.1	10336.6
67.5°	3469.8	3457.9	3809.1	4440.8	5603.4	7290.9	9948.4	13012.1	13201.7	12818.5	10684.9
70°	2743.3	2730.4	3027.7	3654.4	4808.1	6623.3	10232.9	13371.4	13483.1	13083.0	10794.7
72.5°	1924.0	1916.0	2093.7	2589.6	3678.4	5572.5	10172.0	13191.7	13262.6	12806.5	10472.4
75°	1138.6	1135.7	1301.3	1584.7	2174.5	4152.4	9484.4	12533.1	12617.9	12203.8	9681.0
77.5°	439.1	407.2	635.7	771.4	1236.4	1945.0	7255.0	11350.5	11547.1	11157.9	8529.4
80°	143.7	148.7	446.1	544.9	717.5	871.2	3882.0	9212.0	9678.0	9428.5	6460.7
82.5°	104.8	107.8	277.4	368.2	475.0	590.8	1469.0	5007.7	5498.6	5413.8	3171.4
85°	68.9	68.9	94.8	130.7	177.6	236.5	412.1	2541.7	3115.6	3022.8	1374.2
87.5°	36.9	37.9	54.9	78.8	106.8	124.7	131.7	519.9	709.5	617.7	274.4
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°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	1965.9	1985.9	1970.9	1959.0	1939.0	1928.0	1931.0	1921.0	1912.0	1935.0	1924.0
5°	2020.8	2033.8	1994.9	1971.9	1940.0	1913.0	1911.1	1889.1	1878.1	1887.1	1891.1
7.5°	2067.7	2077.7	2025.8	1984.9	1953.0	1921.0	1899.1	1861.2	1846.2	1862.2	1868.1
10°	2148.6	2136.6	2073.7	2027.8	1980.9	1942.0	1905.1	1869.1	1842.2	1843.2	1845.2
12.5°	2240.4	2207.4	2151.6	2086.7	2035.8	1996.9	1946.0	1885.1	1842.2	1841.2	1848.2
15°	2368.1	2328.2	2279.3	2202.4	2145.6	2089.7	2007.9	1902.1	1834.2	1810.3	1800.3
17.5°	2527.8	2474.9	2457.9	2369.1	2275.3	2168.5	2037.8	1909.1	1789.3	1744.4	1746.4
20°	2719.4	2702.4	2680.5	2534.8	2400.0	2220.4	2051.8	1877.1	1716.5	1637.6	1629.6
22.5°	2988.8	2980.8	2877.1	2677.5	2470.9	2254.3	2039.8	1809.3	1615.7	1517.9	1497.9
25°	3300.2	3235.3	3042.7	2798.2	2526.8	2263.3	1991.9	1710.5	1496.9	1375.2	1369.2
27.5°	3609.5	3494.8	3211.4	2874.1	2531.8	2228.4	1891.1	1575.7	1379.2	1265.4	1250.4
30°	3969.8	3815.1	3382.0	2928.9	2520.8	2140.6	1750.4	1463.0	1301.3	1188.5	1171.6
32.5°	4424.9	4162.4	3550.7	2953.9	2446.9	2022.8	1600.7	1414.1	1244.4	1114.7	1094.7
35°	4969.7	4620.5	3779.2	2952.9	2350.1	1840.2	1524.8	1386.1	1204.5	1044.8	1014.9
37.5°	5491.7	5133.4	4037.7	2940.9	2195.5	1649.6	1472.0	1341.2	1177.6	1030.9	1013.9
40°	5972.7	5554.5	4351.0	2919.0	2013.8	1533.8	1413.1	1271.4	1145.6	1043.8	1024.9
42.5°	6420.7	5951.7	4631.4	2864.1	1814.3	1452.0	1333.2	1224.5	1111.7	983.0	954.0
45°	6825.9	6287.0	4825.0	2734.3	1595.7	1361.2	1243.4	1161.6	1049.8	918.1	895.2
47.5°	7164.2	6592.4	4961.7	2559.7	1419.1	1265.4	1139.6	1072.8	974.0	853.2	823.3
50°	7460.6	6894.8	5054.6	2262.3	1264.4	1167.6	1036.9	964.0	875.2	789.4	768.4
52.5°	7750.0	7201.1	5162.3	1865.1	1118.7	1053.8	919.1	838.3	771.4	731.5	717.5
55°	8132.2	7591.3	5162.3	1367.2	985.0	963.0	817.3	710.5	663.6	635.7	642.7
57.5°	8477.5	7830.8	4944.8	1017.9	900.1	869.2	706.5	601.8	551.9	558.8	579.8
60°	8859.7	8059.3	4338.0	842.3	828.3	740.5	602.8	528.9	503.0	478.0	475.0
62.5°	9122.2	8092.3	3558.6	743.5	756.4	653.6	563.8	487.0	458.1	422.1	414.1
65°	9415.5	7915.6	2677.5	697.6	692.6	620.7	555.9	481.0	441.1	382.2	372.2
67.5°	9307.8	7393.7	1901.1	645.7	647.7	624.7	568.8	480.0	432.1	368.2	361.3
70°	8839.7	6548.5	1191.5	621.7	638.7	632.7	591.8	505.0	429.1	334.3	324.3
72.5°	8180.1	5460.7	666.6	576.8	633.7	637.7	619.7	527.9	393.2	273.4	267.4
75°	7098.3	4167.4	477.0	533.9	609.7	636.7	607.7	508.0	360.3	257.5	249.5
77.5°	5549.5	2443.0	420.1	492.0	564.8	568.8	602.8	527.9	374.2	261.5	252.5
80°	3000.8	1010.9	353.3	433.1	464.0	537.9	584.8	493.0	346.3	210.6	197.6
82.5°	1217.5	285.4	205.6	275.4	376.2	444.1	520.9	436.1	317.3	175.6	165.7
85°	311.4	97.8	95.8	140.7	225.5	332.3	423.1	373.2	258.5	77.8	5.0
87.5°	38.9	31.9	37.9	77.8	146.7	238.5	310.4	269.4	183.6	1.0	0.0
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)