

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: P323304

Luminaire Tested: **GAN-SA0D-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-760-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63611 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

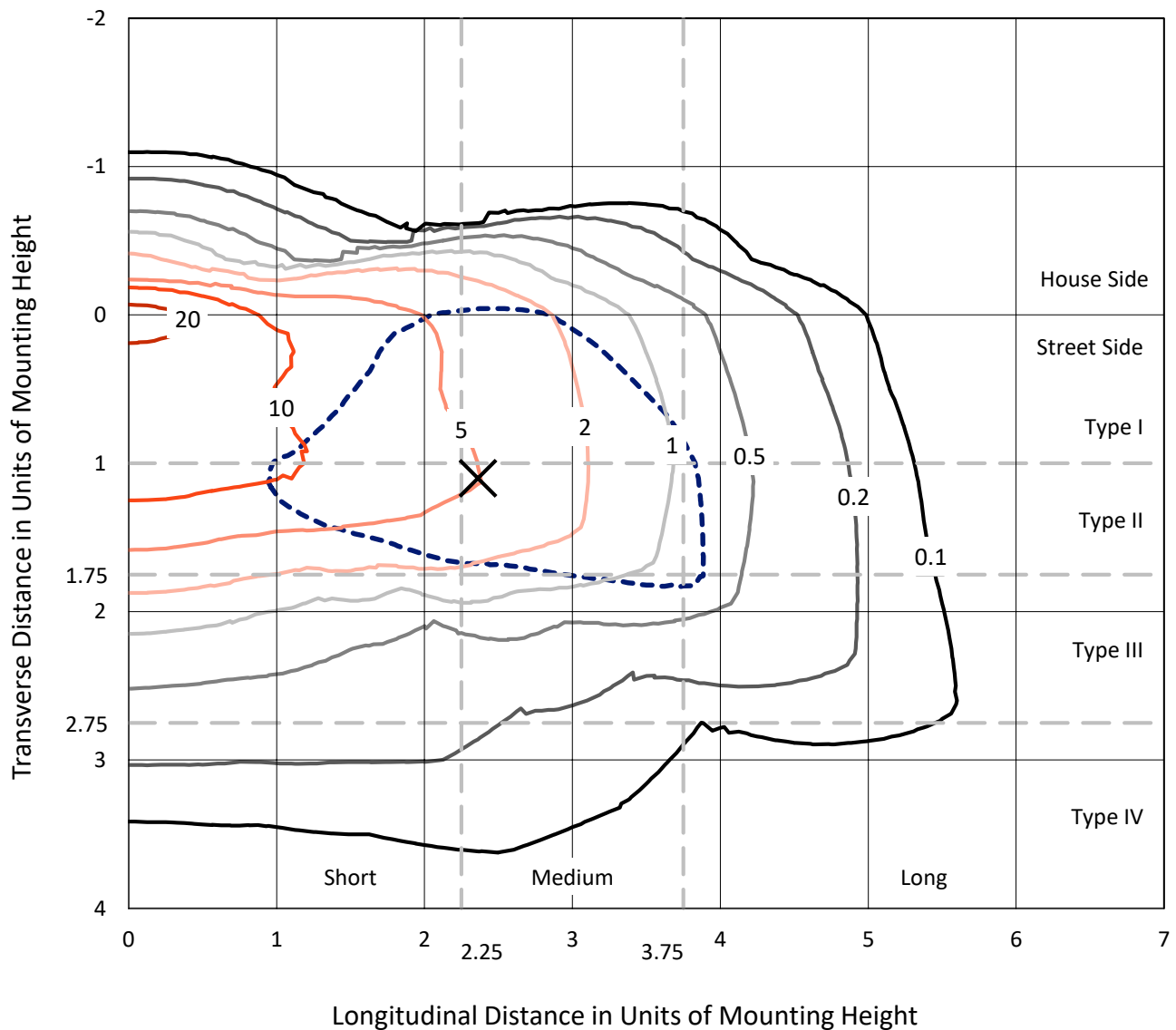
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

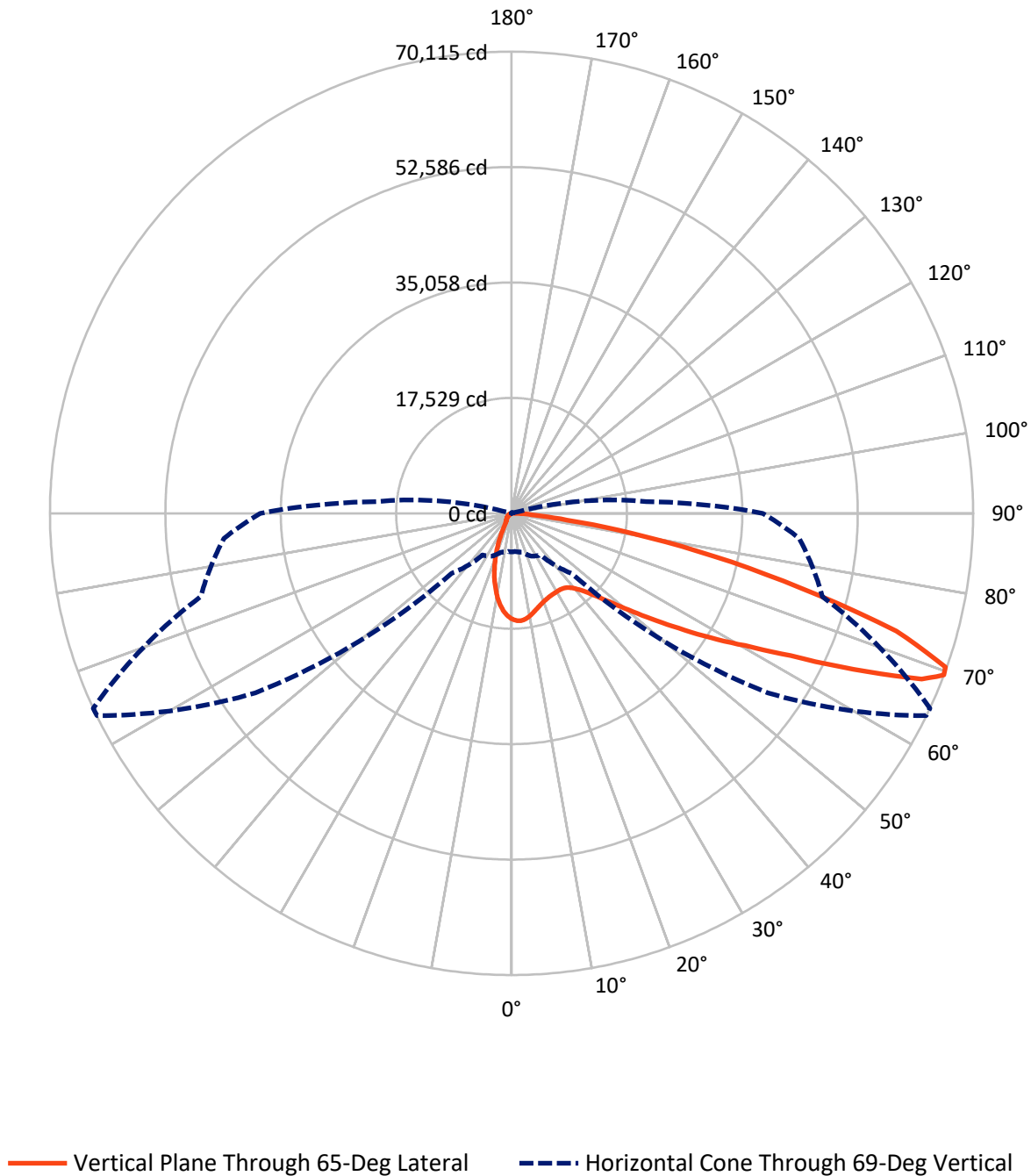
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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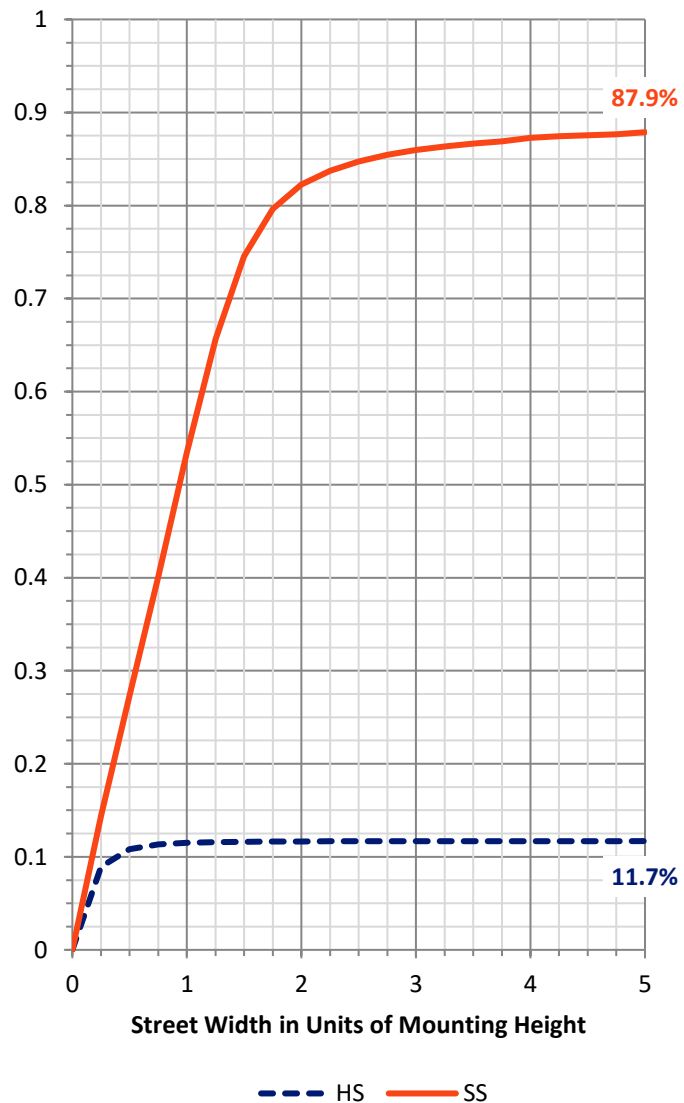
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7498.2	0.0	7498.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	56112.8	0.0	56112.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	63611.0	0.0	63611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.2	2.1
10°-20°	2942.5	4.6
20°-30°	4075.4	6.4
30°-40°	5682.4	8.9
40°-50°	8832.3	13.9
50°-60°	14179.3	22.3
60°-70°	16039.2	25.2
70°-80°	9419.9	14.8
80°-90°	1095.8	1.7
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°	63611.0	100.0
0°-180°	63611.0	100.0

Coefficient of Utilization



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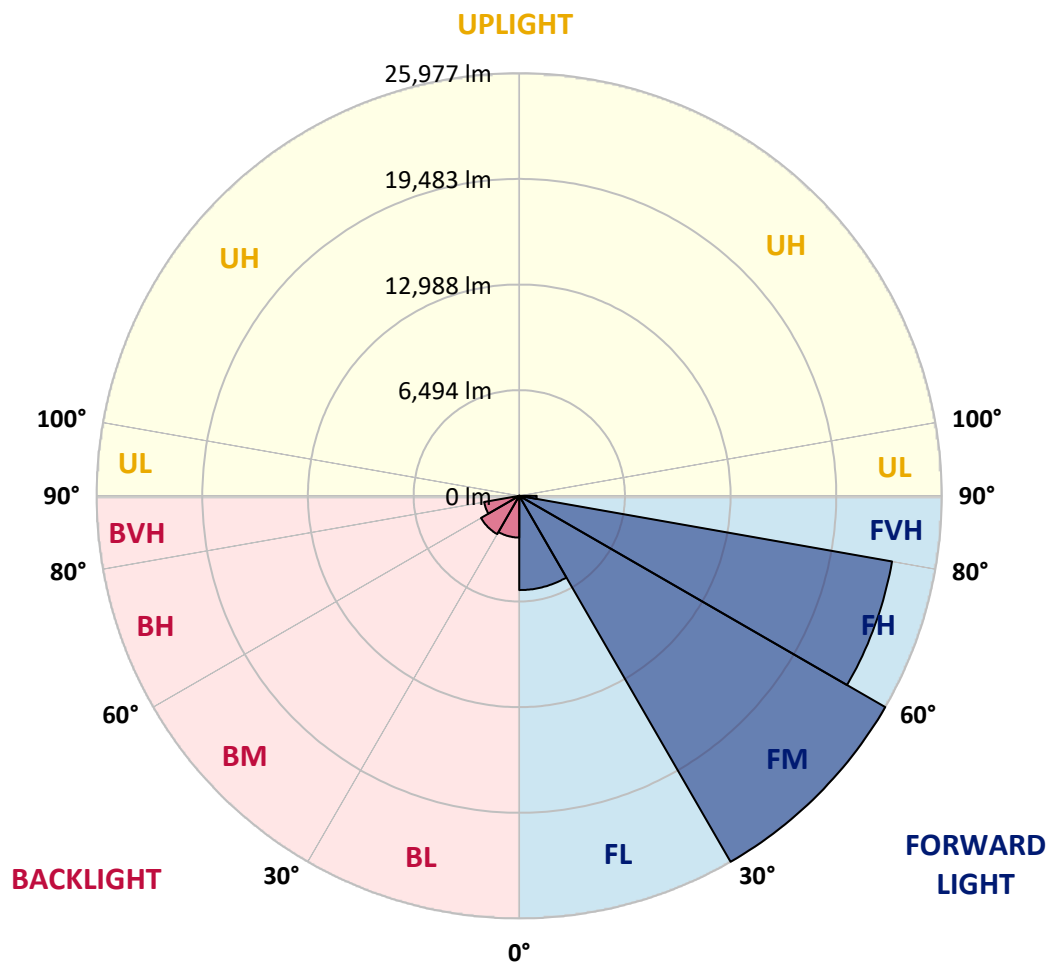
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5796.4	9.1			
FM	(30°-60°)	25976.9	40.8			
FH	(60°-80°)	23268.3	36.6			G5
FVH	(80°-90°)	1071.1	1.7			G5
BL	(0°-30°)	2565.6	4.0	B4/5000		
BM	(30°-60°)	2717.2	4.3	B3/5000		
BH	(60°-80°)	2190.8	3.4	B3/2500		G3/2500
BVH	(80°-90°)	24.6	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6
2.5°	16217.3	16176.9	16209.2	16279.2	16314.2	16314.2	16341.1	16308.8	16319.6	16241.5	16128.4
5°	15202.5	15140.6	15229.4	15425.9	15668.2	15875.4	16182.3	16343.8	16359.9	16362.6	16230.7
7.5°	14109.7	14053.2	14185.1	14416.5	14728.8	15113.7	15649.3	16117.7	16144.6	16397.6	16300.7
10°	13221.4	13181.1	13334.5	13582.1	13948.2	14378.9	15035.6	15687.0	15765.1	16324.9	16289.9
12.5°	12516.2	12483.9	12629.3	12914.6	13288.7	13765.2	14451.5	15207.9	15312.9	16160.7	16236.1
15°	12002.1	11996.7	12117.9	12392.4	12806.9	13251.1	13953.6	14763.8	14884.9	15983.1	16228.0
17.5°	11733.0	11741.0	11829.9	12064.0	12419.3	12860.8	13533.7	14389.6	14521.5	15824.3	16268.4
20°	11706.0	11714.1	11762.6	11894.5	12182.5	12572.8	13191.8	14074.7	14212.0	15705.9	16333.0
22.5°	11942.9	11937.5	11951.0	11937.5	12099.0	12395.1	12965.7	13832.5	13991.3	15627.8	16384.2
25°	12397.8	12389.7	12384.3	12284.7	12177.1	12335.9	12871.5	13695.2	13845.9	15571.3	16413.8
27.5°	13030.3	13025.0	13016.9	12852.7	12529.7	12430.1	12882.3	13644.0	13770.5	15525.5	16408.4
30°	13862.1	13899.7	13889.0	13660.2	13156.8	12718.1	12995.3	13617.1	13727.5	15436.7	16351.9
32.5°	14839.1	14914.5	14973.7	14728.8	14098.9	13288.7	13256.4	13646.7	13727.5	15369.4	16249.6
35°	15853.9	15950.8	16168.8	16082.7	15253.7	14147.4	13705.9	13824.4	13891.7	15407.1	16201.1
37.5°	16852.5	16968.2	17442.0	17692.3	16766.4	15283.3	14405.8	14263.1	14298.1	15635.9	16255.0
40°	18012.6	18187.6	18906.2	19310.0	18572.5	16804.1	15452.8	15016.8	15030.2	16139.2	16505.3
42.5°	19536.1	19716.4	20494.3	21126.9	20607.4	18725.9	16874.0	16168.8	16155.4	17081.3	17094.8
45°	21393.3	21581.8	22386.6	23089.1	22854.9	21003.0	18693.6	17851.1	17835.0	18567.1	18211.8
47.5°	23498.2	23683.9	24402.6	25126.7	25379.7	23662.4	21011.1	20147.1	20109.4	20631.6	19937.1
50°	25304.3	25425.4	26087.6	27062.0	28203.2	26930.1	23893.9	23062.2	23021.8	23374.4	22470.0
52.5°	25961.1	26031.1	26704.0	28068.7	30916.4	31355.2	27681.1	26609.8	26580.2	26733.6	25842.7
55°	24631.4	24757.9	25584.3	27608.4	32386.1	36356.3	32461.5	31002.6	30779.2	30448.1	29368.7
57.5°	21008.4	21210.3	22098.6	24790.2	31699.7	40323.8	39486.7	35971.4	35643.0	33618.9	32235.4
60°	15740.8	15988.5	16726.0	19630.3	28036.4	41736.9	47163.3	41508.1	40767.9	36143.7	34870.5
62.5°	10801.6	10925.5	11426.1	13318.3	20647.7	39422.1	53585.6	48923.7	47572.5	38889.1	37721.0
65°	8249.9	8293.0	8497.6	9149.0	12295.5	32022.7	56140.0	58707.9	57074.0	42173.0	40679.1
67.5°	6648.4	6613.4	6896.0	7827.4	8233.8	19536.1	53160.3	67964.5	67200.1	46563.1	43656.1
69°	5862.4	5814.0	6102.0	7184.0	7733.1	12914.6	47524.0	70066.7	70115.1	48880.6	43860.6
70°	5275.7	5308.0	5593.3	6801.8	7563.6	10136.8	42140.7	69531.0	69913.3	49747.3	42633.2
72.5°	3523.4	3609.5	4182.8	5647.1	7272.9	7671.2	25444.3	59666.1	61135.7	47795.9	36577.0
75°	1986.4	2051.0	2732.0	4258.2	6853.0	7305.2	13439.5	43957.5	45378.7	39968.5	28205.9
77.5°	974.4	1009.4	1545.0	2748.2	5730.6	6960.6	7622.8	29858.6	31481.7	26087.6	15953.5
80°	411.8	430.7	772.5	1695.7	4096.7	6643.0	5660.6	18376.0	18577.9	10220.2	4250.1
82.5°	158.8	164.2	325.7	1057.8	2602.8	5178.8	4734.6	8712.9	8503.0	1924.5	969.0
85°	18.8	21.5	118.4	635.2	1448.1	2664.7	3846.4	3754.9	3474.9	382.2	498.0
87.5°	0.0	0.0	8.1	193.8	430.7	1248.9	1999.9	1558.5	1405.0	123.8	258.4
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°	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6	16074.6
2.5°	16034.2	16007.3	15862.0	15652.0	15452.8	15205.2	14968.3	14825.7	14712.6	14637.3	14726.1
5°	16077.3	15958.9	15517.4	14952.2	14397.7	13773.2	13191.8	12699.3	12505.5	12290.1	12387.0
7.5°	16063.8	15840.4	15046.4	14039.7	13022.3	11969.8	10973.9	10206.8	9808.4	9418.1	9517.7
10°	15996.6	15619.7	14416.5	12925.4	11401.9	9889.2	8476.0	7402.1	6801.8	6258.1	6336.2
12.5°	15848.5	15323.6	13673.6	11649.5	9611.9	7617.4	5962.0	4586.6	3849.1	3523.4	3563.8
15°	15759.7	15035.6	12887.7	10357.5	7700.8	5305.3	3644.5	2710.5	2374.0	2266.4	2279.8
17.5°	15716.6	14758.4	12074.8	8879.8	5746.7	3378.0	2355.2	2078.0	2005.3	1986.4	1991.8
20°	15673.6	14478.5	11237.7	7418.2	3959.4	2271.8	1935.3	1854.6	1827.6	1803.4	1808.8
22.5°	15600.9	14209.3	10338.7	5937.8	2670.1	1843.8	1744.2	1666.1	1609.6	1580.0	1585.4
25°	15512.1	13926.7	9420.8	4422.4	1948.8	1644.6	1550.4	1440.0	1372.7	1318.9	1321.6
27.5°	15369.4	13579.4	8473.4	3219.2	1636.5	1472.3	1345.8	1224.7	1111.7	1049.7	1049.7
30°	15170.2	13186.5	7420.9	2304.1	1467.0	1302.8	1149.3	998.6	877.5	821.0	815.6
32.5°	14949.5	12777.3	6357.7	1746.9	1332.4	1144.0	969.0	810.2	702.5	656.8	654.1
35°	14761.1	12335.9	5297.2	1464.3	1197.8	990.5	799.4	664.8	578.7	541.0	538.3
37.5°	14640.0	11894.5	4263.6	1308.1	1076.7	847.9	670.2	549.1	487.2	457.6	454.9
40°	14621.1	11566.1	3318.8	1189.7	963.6	721.4	559.9	465.7	409.1	376.8	374.1
42.5°	14866.1	11377.7	2546.3	1090.1	847.9	611.0	476.4	398.4	339.1	306.8	304.2
45°	15509.4	11436.9	1959.5	1001.3	732.1	516.8	403.7	331.1	277.2	253.0	247.6
47.5°	16682.9	11846.0	1558.5	912.5	621.8	438.7	344.5	274.5	228.8	204.6	201.9
50°	18771.7	12806.9	1302.8	815.6	519.5	374.1	285.3	223.4	185.7	164.2	161.5
52.5°	21544.1	14518.8	1162.8	721.4	430.7	317.6	234.2	177.6	145.3	129.2	126.5
55°	24601.8	16591.4	1071.3	619.1	352.6	263.8	185.7	140.0	113.0	99.6	94.2
57.5°	27586.9	18386.7	985.1	519.5	293.4	215.3	148.0	110.4	88.8	75.4	72.7
60°	30329.7	20036.7	885.6	417.2	239.6	169.6	115.7	86.1	70.0	56.5	56.5
62.5°	33266.3	21312.6	748.3	325.7	196.5	129.2	94.2	78.1	56.5	48.4	45.8
65°	36377.8	22260.1	586.8	253.0	153.4	96.9	78.1	80.7	45.8	35.0	32.3
67.5°	38676.5	22071.6	433.4	199.2	118.4	75.4	75.4	86.1	40.4	26.9	24.2
69°	38170.5	20540.1	363.4	172.3	102.3	64.6	70.0	86.1	37.7	24.2	21.5
70°	36703.5	18844.3	320.3	153.4	91.5	59.2	67.3	83.4	35.0	24.2	21.5
72.5°	30566.5	14193.1	250.3	115.7	72.7	48.4	56.5	72.7	35.0	24.2	18.8
75°	22992.2	9084.4	191.1	83.4	53.8	37.7	43.1	53.8	35.0	21.5	18.8
77.5°	12510.8	3275.8	137.3	56.5	37.7	29.6	29.6	40.4	32.3	16.1	10.8
80°	3216.5	823.6	86.1	37.7	29.6	21.5	18.8	26.9	18.8	2.7	0.0
82.5°	794.0	185.7	45.8	26.9	21.5	8.1	8.1	13.5	8.1	0.0	0.0
85°	436.0	91.5	29.6	18.8	10.8	0.0	0.0	2.7	0.0	0.0	0.0
87.5°	223.4	26.9	8.1	5.4	2.7	0.0	0.0	0.0	0.0	0.0	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)