Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P653239

Luminaire Tested: **GLAN-SA2D-840-U-T3R-GRSBK**

Issue Date: 5/27/2021

Report Generated By 670246001

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P653239
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA2D-840-U-T3R-GRSBK
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7956.7 lumens
Efficiency:	N/A
Efficacy:	63.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G0

Input Watts (W):	125
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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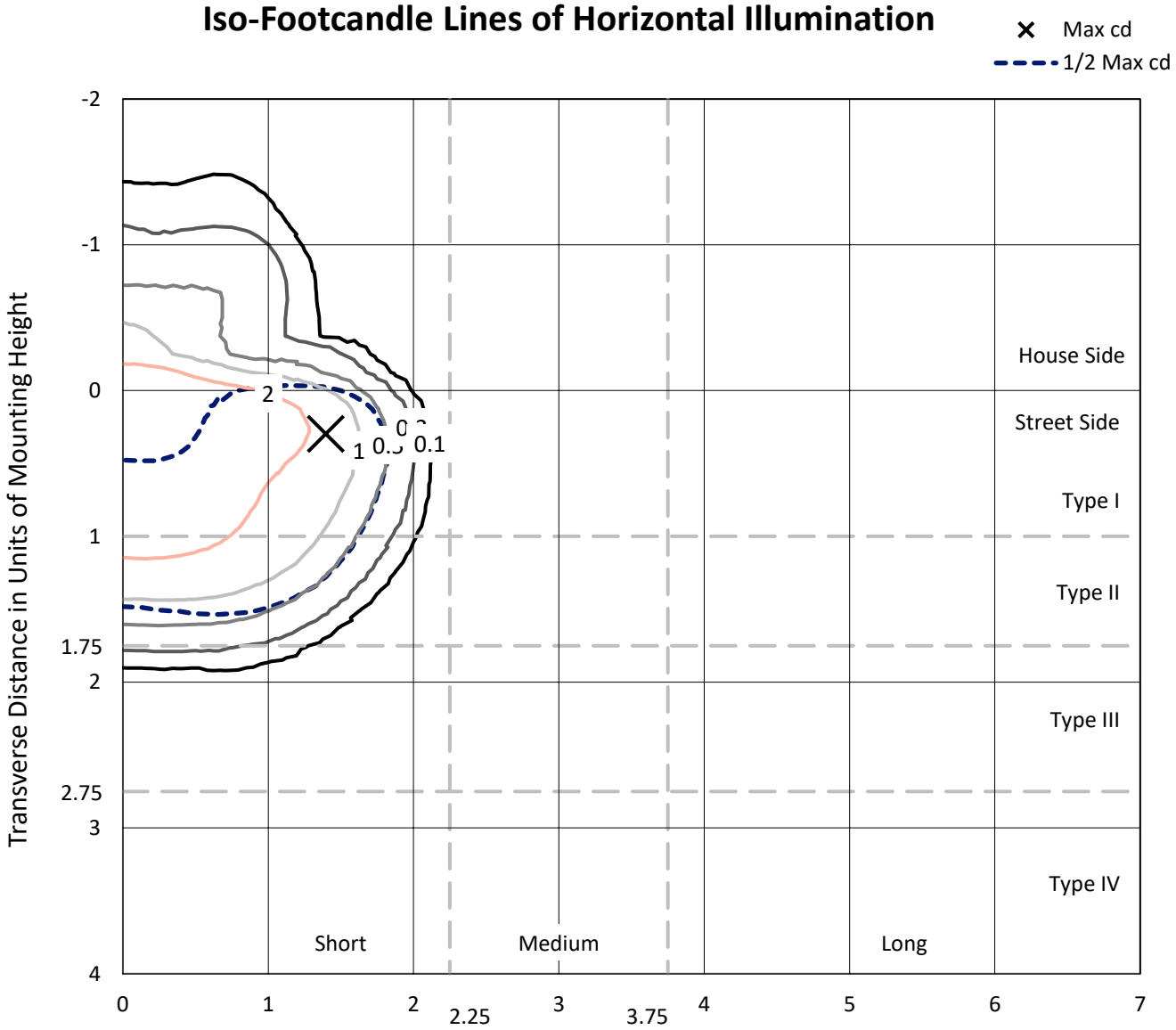
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - N/A

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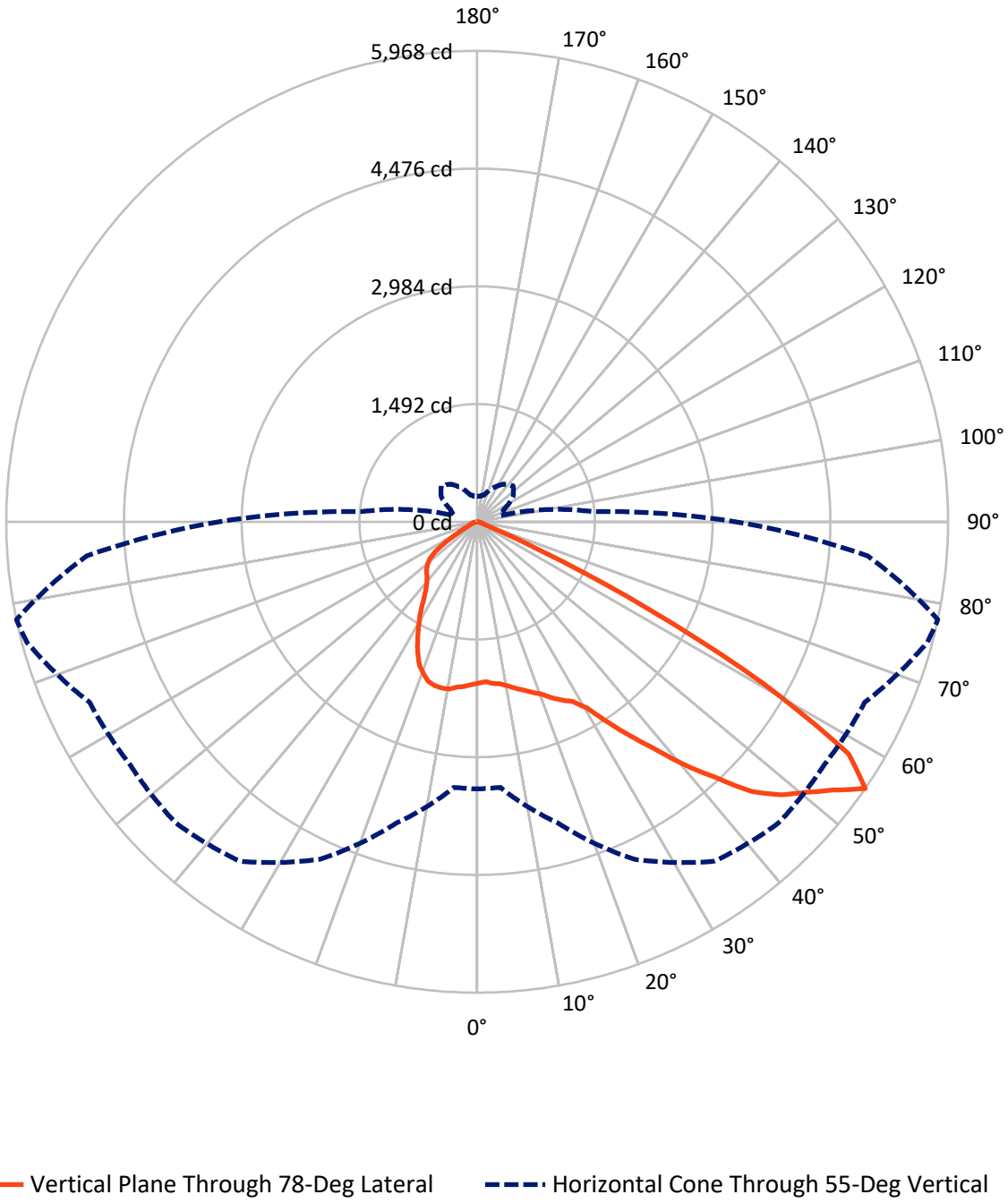
Luminous Intensity Polar Plot



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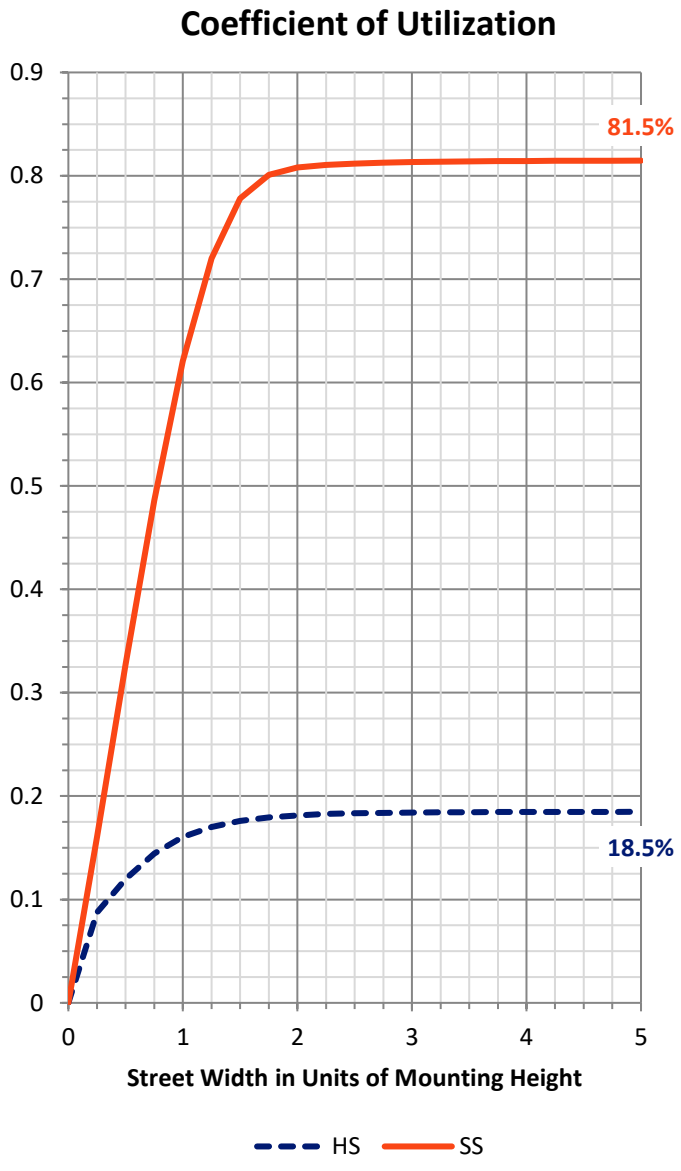
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1477.9	0.0	1477.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6478.8	0.0	6478.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	7956.7	0.0	7956.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	2.3
10°-20°	482.7	6.1
20°-30°	846.2	10.6
30°-40°	1395.2	17.5
40°-50°	2030.2	25.5
50°-60°	2300.5	28.9
60°-70°	657.7	8.3
70°-80°	51.1	0.6
80°-90°	10.6	0.1
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°	7956.7	100.0
0°-180°	7956.7	100.0



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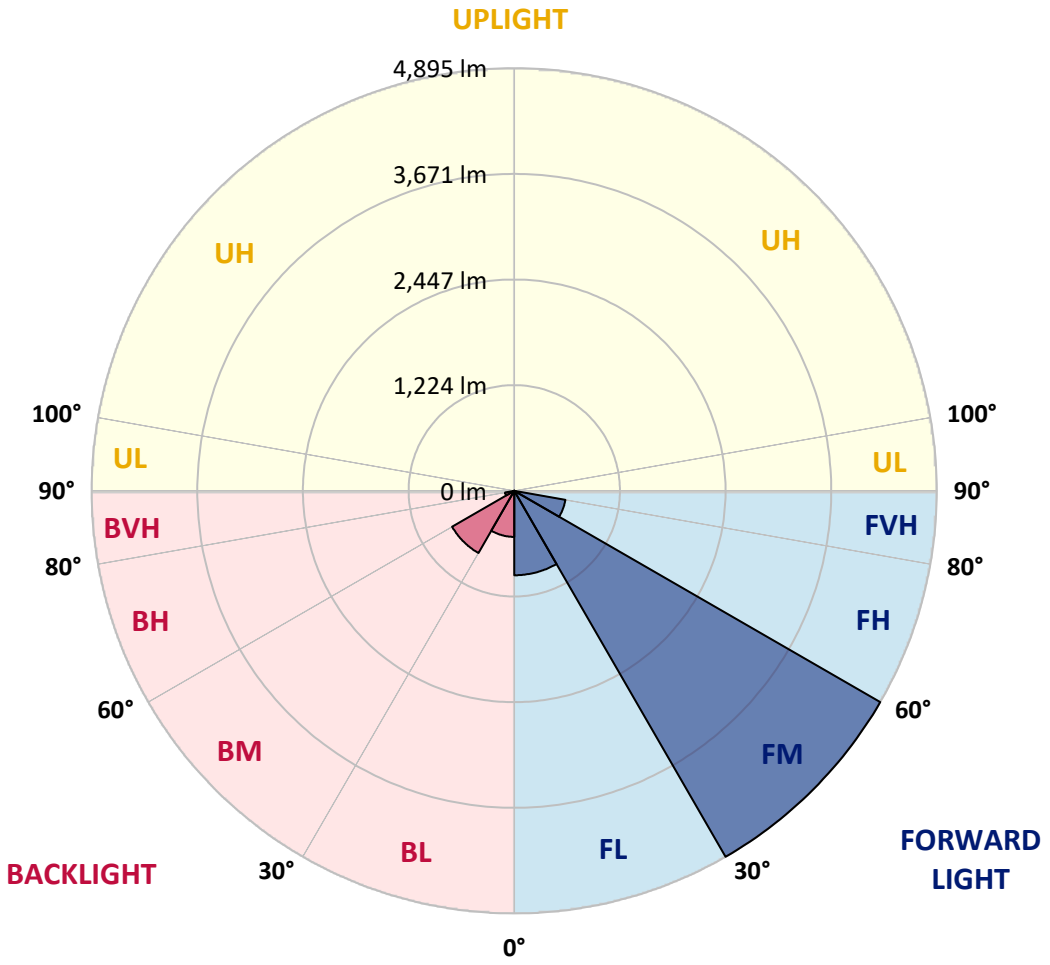
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	978.1	12.3			
FM	(30°-60°)	4894.6	61.5			
FH	(60°-80°)	600.9	7.6			G0/660
FVH	(80°-90°)	5.2	0.1			G0/10
BL	(0°-30°)	533.2	6.7	B2/1000		
BM	(30°-60°)	831.3	10.4	B1/1000		
BH	(60°-80°)	107.9	1.4	B0/110		G0/110
BVH	(80°-90°)	5.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	*2045.6*	2045.6
2.5°	1923.4	1941.8	1944.6	1967.4	1966.0	2004.4	2015.8	2017.2	2042.8	*2030.0*	2062.7
5°	1869.3	1859.3	1855.1	1894.9	1906.3	1940.4	1968.9	1985.9	2038.6	*2057.1*	2091.2
7.5°	1820.9	1820.9	1823.7	1859.3	1855.1	1899.1	1929.0	1981.6	2058.5	*2074.2*	2115.4
10°	1773.9	1756.8	1778.2	1815.2	1846.5	1866.4	1929.0	1978.8	2068.4	*2113.9*	2170.9
12.5°	1749.8	1758.3	1761.1	1788.2	1822.4	1882.1	1916.2	1998.7	2139.6	*2166.6*	2227.7
15°	1902.0	1884.9	1843.6	1819.5	1847.9	1876.4	1961.7	2045.6	2176.5	*2214.9*	2283.2
17.5°	2078.4	2064.2	2030.0	1964.6	1900.6	1953.2	2020.1	2096.9	2216.4	*2273.3*	2374.3
20°	2308.9	2286.1	2251.9	2123.9	2068.4	2011.5	2082.7	2173.7	2281.8	*2333.0*	2436.9
22.5°	2583.4	2583.4	2506.6	2351.5	2236.3	2182.2	2212.1	2264.7	2354.4	*2424.1*	2526.5
25°	2869.3	2860.8	2791.1	2630.3	2435.5	2371.5	2405.6	2442.6	2466.7	*2505.2*	2573.5
27.5°	3196.6	3146.8	3058.5	2880.8	2708.6	2584.8	2621.8	2589.1	2559.2	*2579.2*	2677.3
30°	3418.5	3449.8	3337.3	3166.7	3004.5	2866.5	2873.6	2845.2	2708.6	*2737.0*	2795.4
32.5°	3648.9	3668.9	3606.2	3512.4	3350.2	3189.4	3131.1	3106.9	3004.5	*3017.3*	2960.4
35°	3840.9	3879.4	3823.9	3782.6	3735.7	3606.2	3445.5	3523.7	3358.7	*3327.4*	3179.5
37.5°	4017.4	4006.0	4071.4	4028.7	4018.8	3927.7	3751.4	3767.0	3656.0	*3648.9*	3478.2
40°	4175.3	4178.1	4267.7	4287.7	4247.8	4085.7	3829.6	3953.4	4042.9	*4051.5*	3832.4
42.5°	4306.2	4344.6	4421.4	4582.1	4522.4	4252.1	3910.6	4045.8	4378.7	*4431.3*	4168.2
45°	4420.0	4498.2	4593.5	4737.2	4703.0	4488.2	4112.7	4236.5	4737.2	*4875.2*	4484.0
47.5°	4427.1	4529.5	4633.3	4846.8	4889.4	4614.8	4321.8	4538.0	5021.7	*5171.1*	4714.5
50°	4398.6	4452.7	4660.4	4892.3	4989.0	4821.1	4614.8	4791.3	5297.7	*5391.6*	4831.1
52.5°	4061.4	4102.7	4519.5	4934.9	5168.3	5054.4	5003.2	5144.1	5579.4	*5649.1*	4940.6
55°	*3385.8*	*3378.6*	*3951.9*	*4720.1*	*5250.8*	*5400.1*	*5368.9*	*5418.6*	*5905.2*	*5967.7*	*4967.6*
57.5°	2315.9	2445.5	2940.5	3930.6	4745.8	5319.1	5351.8	5269.2	5525.3	*5549.5*	4330.3
60°	1249.1	1303.0	1701.4	2623.2	3613.4	4334.6	4420.0	4270.6	4250.7	*4182.4*	3091.3
62.5°	496.4	523.5	749.7	1298.8	1968.9	2634.6	2818.1	2757.0	2626.1	*2446.8*	1600.4
65°	236.2	253.2	372.7	607.5	873.5	1098.3	1281.8	1338.6	987.2	*889.1*	527.8
67.5°	160.7	173.6	271.7	347.1	311.5	325.8	423.9	394.1	231.9	*197.7*	146.5
70°	122.4	130.9	217.7	236.2	139.4	98.1	109.5	102.4	95.3	*96.7*	95.3
72.5°	86.8	93.9	159.4	139.4	61.1	45.5	58.4	69.7	69.7	*69.7*	68.3
75°	52.6	59.7	92.4	54.1	24.2	24.2	37.0	46.9	49.8	*51.2*	48.4
77.5°	27.0	34.1	31.3	15.6	15.6	18.5	27.0	32.7	35.6	*35.6*	34.1
80°	5.7	5.7	5.7	8.5	15.6	19.9	27.0	29.9	34.1	*34.1*	31.3
82.5°	0.0	1.4	4.3	8.5	14.2	18.5	25.6	29.9	34.1	*35.6*	32.7
85°	0.0	1.4	2.9	5.7	9.9	11.4	9.9	8.5	8.5	*8.5*	8.5
87.5°	0.0	0.0	1.4	1.4	1.4	2.9	2.9	2.9	2.9	*2.9*	2.9
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°	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6
2.5°	2065.6	2069.9	2062.7	2061.3	2055.7	2072.7	2031.4	2021.5	2047.1	2022.9	2028.6
5°	2092.6	2102.6	2089.8	2068.4	2037.2	1988.8	1947.5	1893.4	1867.9	1849.4	1846.5
7.5°	2112.5	2119.7	2106.9	2038.6	1944.6	1822.4	1731.3	1664.4	1611.8	1596.1	1570.6
10°	2193.6	2195.0	2131.0	1980.2	1796.7	1636.0	1496.6	1394.1	1341.5	1308.8	1294.6
12.5°	2247.7	2244.8	2115.4	1865.0	1620.4	1406.9	1247.6	1123.8	1075.5	1059.8	1049.9
15°	2315.9	2300.3	2078.4	1746.9	1392.7	1162.3	1018.5	933.2	929.0	919.0	929.0
17.5°	2370.0	2326.0	2024.4	1532.1	1175.0	957.4	863.5	869.2	880.6	890.5	892.0
20°	2458.2	2367.2	1900.6	1344.3	973.0	820.8	819.4	845.0	873.5	884.8	896.3
22.5°	2525.1	2384.2	1768.3	1143.8	808.0	765.3	789.5	828.0	849.2	860.7	877.8
25°	2549.2	2337.3	1591.8	943.2	728.4	739.7	776.7	802.3	829.4	842.2	835.0
27.5°	2573.5	2313.1	1381.3	776.7	685.7	722.7	754.0	779.6	788.1	805.2	816.5
30°	2631.7	2229.2	1192.1	671.5	664.3	711.3	734.0	742.6	765.3	775.3	775.3
32.5°	2678.8	2196.4	991.5	621.7	661.5	717.0	719.8	719.8	722.7	715.5	712.7
35°	2775.5	2084.1	812.3	591.8	660.1	718.4	725.5	701.3	635.9	610.3	603.2
37.5°	2895.0	2011.5	680.0	584.7	670.0	735.5	746.9	655.8	570.5	529.2	522.1
40°	3040.0	1960.3	593.2	581.8	692.8	775.3	741.2	620.2	509.3	449.5	446.7
42.5°	3209.3	1913.4	534.9	580.4	721.2	816.5	735.5	590.4	446.7	406.9	412.5
45°	3344.5	1887.8	495.1	570.5	731.2	840.7	739.7	537.7	421.1	395.4	398.3
47.5°	3449.8	1833.7	462.3	553.4	729.8	849.2	701.3	516.4	408.3	415.4	422.5
50°	3452.6	1761.1	421.1	516.4	708.5	833.6	657.2	496.4	405.4	435.3	449.5
52.5°	3414.2	1658.7	377.0	463.7	658.7	779.6	617.4	487.9	392.7	389.8	406.9
55°	*3277.6*	*1466.7*	*303.0*	*375.6*	*556.2*	*643.0*	*581.8*	*472.3*	*354.2*	*321.5*	*324.4*
57.5°	2648.8	1051.2	223.4	268.9	394.1	470.9	525.0	465.2	318.7	273.2	274.6
60°	1640.2	596.1	163.6	183.5	243.3	285.9	425.4	432.4	284.5	230.4	227.6
62.5°	842.2	294.4	126.6	129.4	149.4	167.9	291.7	362.7	257.5	219.1	219.1
65°	281.7	145.1	110.9	99.6	99.6	103.9	176.4	251.8	217.7	183.5	183.5
67.5°	120.9	108.2	96.7	86.8	79.6	75.4	99.6	146.5	162.1	139.4	133.7
70°	93.9	91.1	83.9	72.6	62.6	56.9	58.4	75.4	92.4	89.7	86.8
72.5°	69.7	69.7	66.9	56.9	48.4	41.3	38.4	39.9	44.1	45.5	46.9
75°	48.4	49.8	49.8	44.1	35.6	29.9	25.6	21.4	17.1	14.2	12.8
77.5°	32.7	34.1	37.0	32.7	27.0	19.9	15.6	11.4	7.1	2.9	2.9
80°	28.4	32.7	35.6	32.7	28.4	21.4	15.6	8.5	4.3	0.0	0.0
82.5°	29.9	32.7	37.0	31.3	27.0	19.9	15.6	9.9	4.3	1.4	0.0
85°	7.1	7.1	8.5	9.9	12.8	14.2	11.4	7.1	4.3	1.4	0.0
87.5°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	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)