

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: P639243

Luminaire Tested: **USSL-M-PA6B-730-U-T2U**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6B-730-U-T2U
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II U OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47625 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 365.8
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



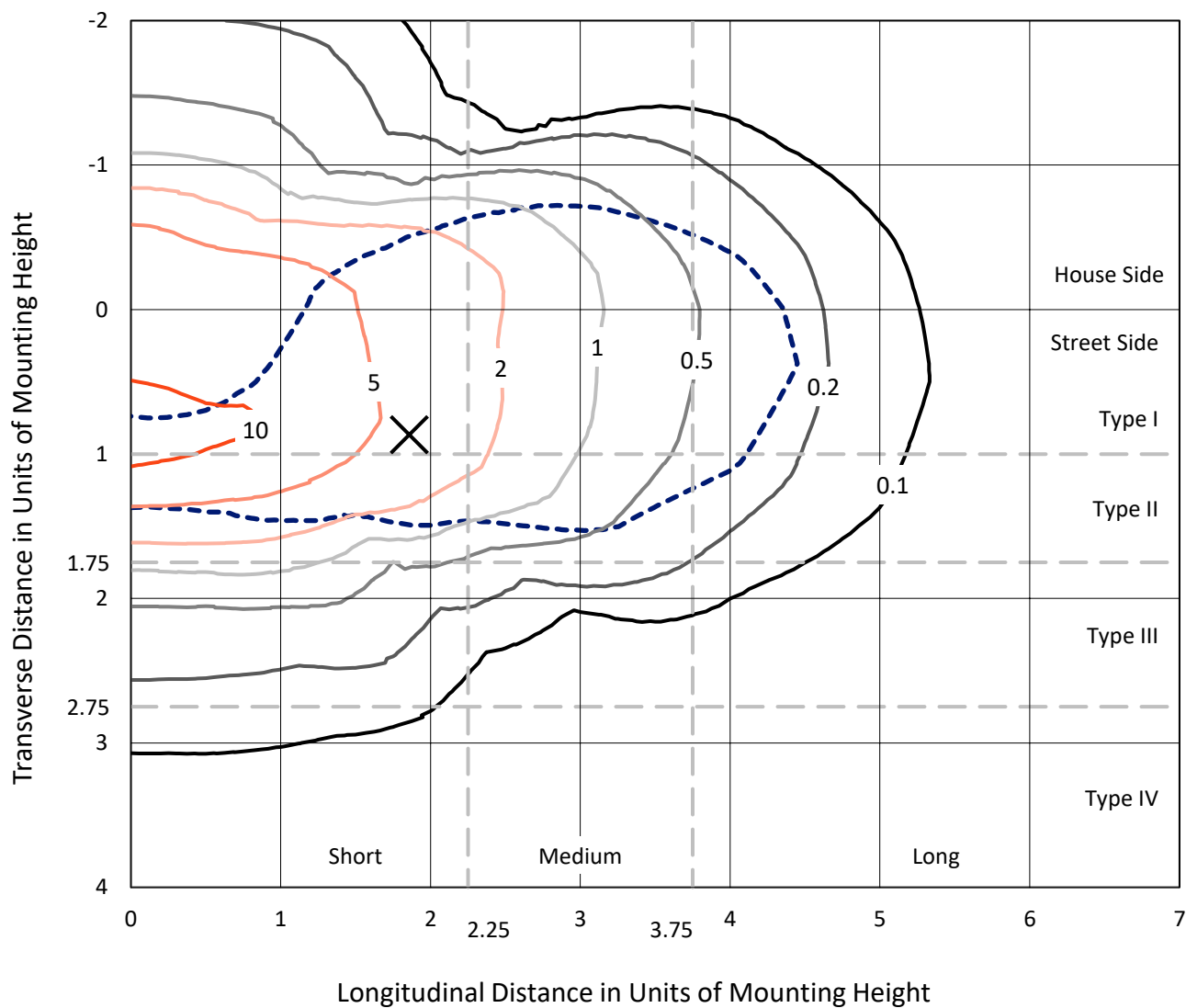
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

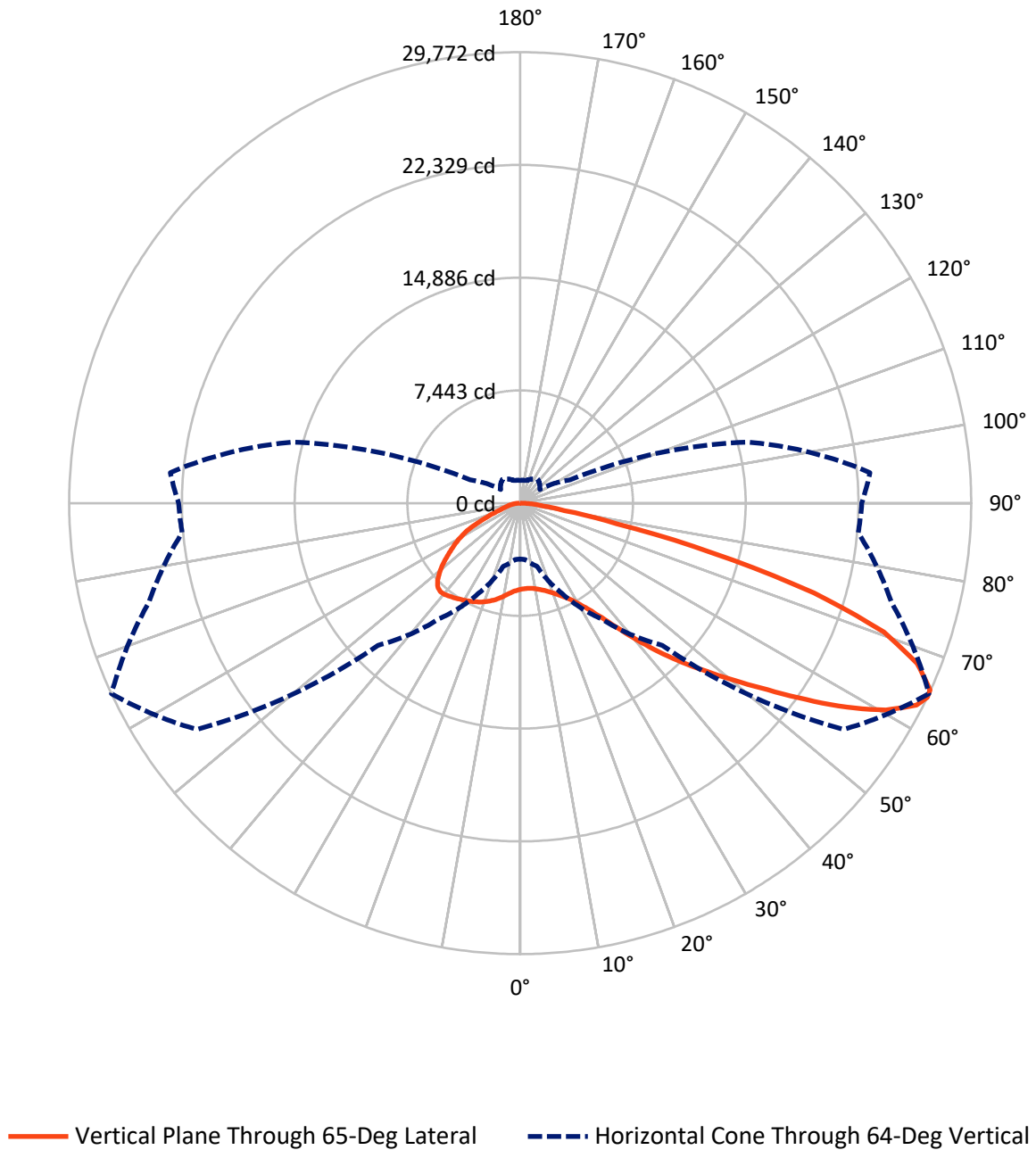


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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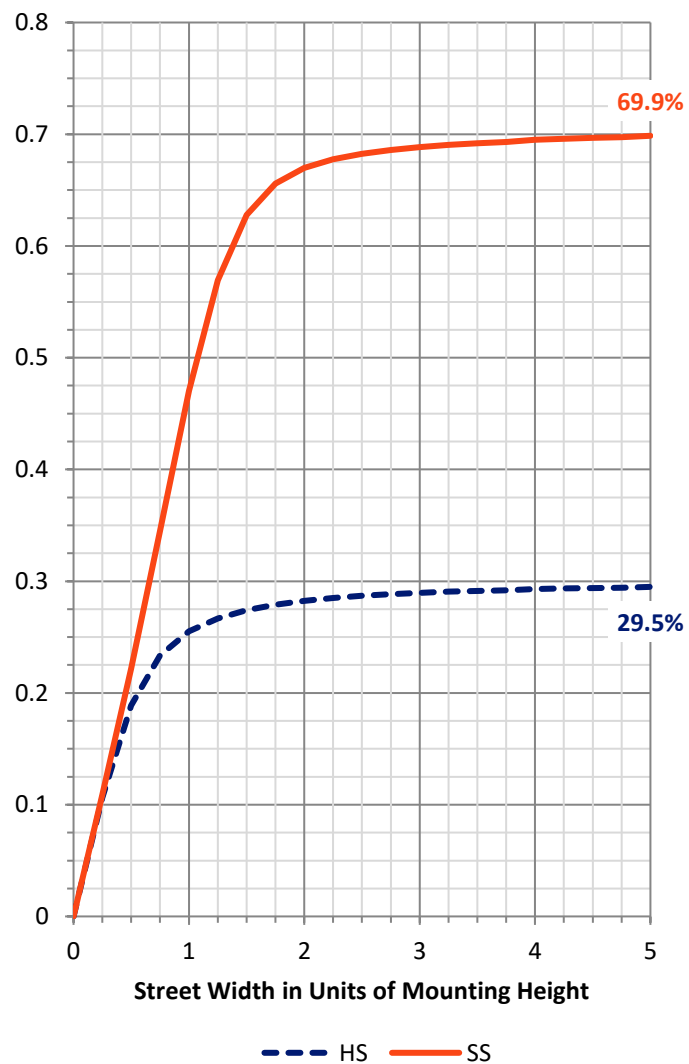
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14201.5	0.0	14201.5
	% Fixture	29.8	0.0	29.8
Street Side	Lumens	33423.5	0.0	33423.5
	% Fixture	70.2	0.0	70.2
Total	Lumens	47625.0	0.0	47625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.7	1.2
10°-20°	1784.1	3.7
20°-30°	3205.8	6.7
30°-40°	5225.4	11.0
40°-50°	8711.2	18.3
50°-60°	11333.7	23.8
60°-70°	10223.8	21.5
70°-80°	5714.1	12.0
80°-90°	866.3	1.8
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°	47625.0	100.0
0°-180°	47625.0	100.0

Coefficient of Utilization



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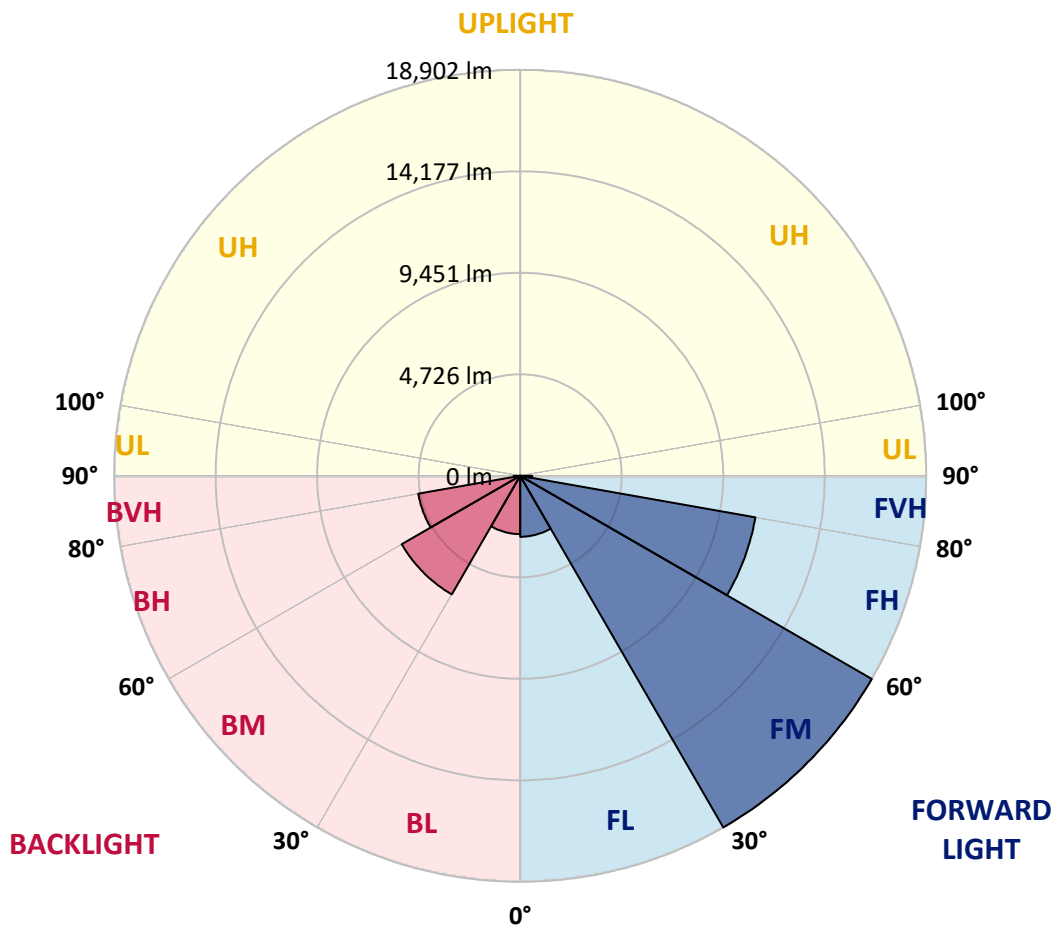
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2837.2	6.0			
FM	(30°-60°)	18902.1	39.7			
FH	(60°-80°)	11120.9	23.4			G4/12000
FVH	(80°-90°)	563.2	1.2			G4/750
BL	(0°-30°)	2713.4	5.7	B4/5000		
BM	(30°-60°)	6368.1	13.4	B4/8500		
BH	(60°-80°)	4817.0	10.1	B4/5000		G4/5000
BVH	(80°-90°)	303.0	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2
2.5°	5678.6	5633.7	5636.0	5636.0	5637.1	5639.4	5647.5	5653.2	5659.0	5669.4	5691.2
5°	5647.5	5606.0	5611.8	5615.2	5622.2	5630.2	5639.4	5644.0	5653.2	5675.1	5705.0
7.5°	5624.5	5583.0	5591.1	5596.8	5608.3	5627.9	5656.7	5679.7	5693.5	5723.5	5763.7
10°	5662.4	5615.2	5623.3	5621.0	5626.8	5657.8	5702.7	5751.1	5770.7	5809.8	5860.4
12.5°	5764.9	5717.7	5720.0	5702.7	5708.5	5743.0	5793.7	5853.5	5876.6	5918.0	5969.8
15°	5924.9	5860.4	5861.6	5847.8	5843.2	5876.6	5919.1	5974.4	5997.4	6040.0	6088.4
17.5°	6196.6	6136.7	6109.1	6049.2	6028.5	6057.3	6097.6	6143.6	6164.3	6181.6	6225.3
20°	6668.5	6594.9	6533.9	6417.6	6311.7	6288.7	6308.2	6350.8	6350.8	6341.6	6378.5
22.5°	7343.1	7274.0	7183.1	6979.3	6731.9	6607.5	6566.1	6592.6	6571.8	6531.6	6539.6
25°	8165.0	8022.3	7945.1	7696.5	7306.3	7043.8	6896.5	6878.0	6855.0	6789.4	6771.0
27.5°	9181.5	9047.9	8853.4	8505.8	7994.6	7607.9	7333.9	7248.7	7195.8	7073.7	7020.8
30°	10374.0	10170.3	9932.0	9445.1	8812.0	8293.9	7893.3	7742.5	7617.1	7403.0	7306.3
32.5°	11716.3	11488.3	11202.9	10570.9	9798.5	9132.0	8639.3	8382.6	8188.0	7909.5	7728.7
35°	13507.4	13288.7	12724.7	11998.3	10973.8	10145.0	9580.9	9273.6	9035.3	8663.5	8420.6
37.5°	15768.3	15372.3	14631.0	13742.3	12448.4	11403.2	10706.7	10453.5	10169.1	9684.5	9348.4
40°	17693.0	17293.5	16727.2	15723.4	14340.9	13076.9	12179.0	11847.5	11501.0	10850.6	10475.3
42.5°	19171.0	18771.6	18353.7	17683.8	16590.2	15303.2	13834.4	13402.7	12910.0	12097.3	11601.2
45°	20060.9	19614.2	19402.4	19276.9	18900.5	18917.8	15817.8	14986.7	14316.7	13402.7	12792.6
47.5°	20319.9	19845.6	19889.3	20275.0	20856.3	21524.0	18139.6	16610.9	15743.0	14626.3	14026.6
50°	19484.1	19134.2	19614.2	20781.5	22391.9	23543.1	20707.8	18400.9	17193.4	15974.3	15250.3
52.5°	16865.3	16858.4	17920.9	20225.5	23312.8	25350.3	23341.6	20455.7	18707.1	17288.9	16531.5
55°	13334.8	13331.3	14910.7	17946.2	22952.5	26031.8	25556.4	22883.5	20276.1	18564.4	17859.9
57.5°	9356.4	9673.0	11497.6	14331.7	20332.5	25538.0	26918.2	25424.0	21816.4	19811.1	19140.0
60°	6110.2	6239.2	8110.9	11187.9	15951.3	22908.8	27490.3	27735.5	23301.3	20898.9	20441.9
62.5°	4354.8	4382.4	5258.4	8358.4	11365.2	17796.6	27002.2	29359.8	24673.5	21884.3	21779.5
64°	3688.2	3730.8	4320.2	6606.4	9311.5	13272.6	26038.7	29771.9	25379.1	22400.0	22547.3
65°	3337.1	3377.4	3852.9	5568.1	8302.0	10744.7	24863.4	29736.2	25840.7	22702.7	23020.4
67.5°	2736.3	2739.7	2995.3	3824.1	6192.0	6286.4	19042.1	28253.5	26402.5	23160.9	23927.5
70°	2447.3	2460.0	2598.1	2896.3	4623.0	4205.1	10766.6	25462.0	25794.7	22969.8	24005.8
72.5°	2003.0	2039.8	2264.3	2502.6	3317.6	2946.9	5040.8	20284.2	23190.8	21868.2	22720.0
75°	1560.9	1587.4	1803.8	2207.9	2380.6	2203.3	2793.8	13101.1	18586.3	19396.7	19379.4
77.5°	1175.3	1201.8	1387.1	1747.4	2118.1	1636.9	1883.3	6510.8	12844.4	14670.1	13956.4
80°	888.7	887.5	1051.0	1316.9	1729.0	1228.3	1272.0	2951.5	7342.0	8775.1	7747.2
82.5°	612.4	625.1	772.4	1009.5	1197.2	1182.2	891.0	1527.6	3247.4	3692.8	3554.7
85°	429.4	423.6	546.8	665.4	789.7	855.3	596.3	858.7	1405.5	735.6	655.0
87.5°	239.4	238.3	324.6	367.2	393.7	345.3	355.7	333.8	552.5	290.1	186.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2	5683.2
2.5°	5685.5	5718.8	5748.8	5776.4	5785.6	5812.1	5842.0	5848.9	5857.0	5796.0
5°	5714.2	5781.0	5854.7	5915.7	5969.8	6027.4	6097.6	6111.4	6141.3	6064.2
7.5°	5794.8	5893.8	6013.5	6114.8	6205.8	6288.7	6378.5	6411.8	6431.4	6356.6
10°	5903.0	6045.8	6195.4	6348.5	6459.0	6551.1	6622.5	6623.6	6644.4	6573.0
12.5°	6025.1	6201.2	6392.3	6561.5	6673.1	6720.3	6734.2	6693.9	6695.0	6617.9
15°	6147.1	6353.1	6584.5	6745.7	6797.5	6768.7	6731.9	6678.9	6669.7	6588.0
17.5°	6295.6	6515.4	6745.7	6872.3	6828.5	6743.4	6698.5	6635.2	6628.2	6543.1
20°	6439.5	6681.2	6899.9	6936.8	6790.6	6667.4	6604.1	6509.7	6492.4	6403.8
22.5°	6586.8	6833.2	7036.9	6942.5	6700.8	6508.5	6390.0	6262.2	6233.4	6155.1
25°	6777.9	6989.7	7154.3	6896.5	6520.0	6215.0	6036.6	5903.0	5888.1	5827.1
27.5°	7030.0	7199.2	7271.7	6795.2	6228.8	5809.8	5588.8	5466.8	5484.0	5408.0
30°	7269.4	7423.7	7378.8	6616.7	5812.1	5284.9	5097.2	5006.3	5036.2	4961.4
32.5°	7607.9	7694.2	7478.9	6356.6	5329.8	4786.4	4627.6	4499.8	4472.2	4454.9
35°	8228.3	8196.1	7595.2	6051.5	4845.1	4321.4	4091.1	3877.0	3826.4	3742.3
37.5°	9079.0	8919.0	7700.0	5721.2	4387.0	3848.3	3537.4	3294.6	3211.7	3146.1
40°	10065.5	9761.6	7813.9	5324.0	3961.1	3378.6	3094.3	2838.7	2748.9	2722.4
42.5°	11143.0	10596.2	7871.5	4784.1	3574.3	3083.9	2757.0	2524.4	2423.1	2373.6
45°	12283.8	11389.4	7759.8	4189.0	3272.7	2865.2	2511.8	2225.1	2110.0	2095.1
47.5°	13407.3	12021.3	7447.9	3668.7	3055.1	2702.9	2237.8	2049.0	1981.1	1959.2
50°	14672.4	12546.2	6971.3	3212.8	2862.9	2454.2	2104.3	1966.1	1910.9	1895.9
52.5°	15998.5	12987.1	6416.4	2862.9	2625.7	2306.9	2036.4	1887.9	1846.4	1833.8
55°	17406.3	13413.1	5816.7	2544.0	2341.4	2242.4	1974.2	1822.3	1793.5	1786.6
57.5°	18976.5	13906.9	5256.1	2196.4	2167.6	2180.3	1928.2	1776.2	1754.3	1749.7
60°	20586.9	14526.2	4720.8	1913.2	2030.6	2120.4	1881.0	1716.3	1676.1	1662.2
62.5°	22257.2	15210.0	4098.0	1688.7	1893.6	2039.8	1809.6	1619.7	1581.7	1563.2
64°	23183.9	15566.8	3645.7	1575.9	1815.3	1974.2	1747.4	1546.0	1518.3	1499.9
65°	23700.8	15763.7	3280.7	1511.4	1758.9	1923.6	1697.9	1490.7	1479.2	1458.5
67.5°	24435.2	15835.0	2453.1	1374.5	1598.9	1765.8	1549.4	1365.2	1394.0	1356.0
70°	23893.0	15158.2	1768.1	1247.8	1421.7	1585.1	1413.6	1234.0	1269.7	1207.5
72.5°	21771.5	13131.0	1335.3	1110.8	1240.9	1399.8	1257.0	1087.8	1061.3	1018.8
75°	17486.9	9763.9	1057.9	979.6	1069.4	1208.7	1098.2	931.3	873.7	853.0
77.5°	12319.5	5773.0	855.3	839.2	908.2	1007.2	939.3	792.0	717.2	712.6
80°	6713.4	2539.4	697.6	691.8	734.4	823.1	788.5	656.1	575.6	556.0
82.5°	2539.4	1087.8	529.5	535.3	566.4	636.6	617.0	499.6	459.3	381.0
85°	646.9	536.4	344.2	346.5	340.7	419.0	412.1	325.8	277.4	254.4
87.5°	259.0	200.3	128.9	140.4	133.5	193.4	196.8	154.3	94.4	81.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)