

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: P970524

Luminaire Tested: **NVN-SB6B-830-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6B-830-U-T2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

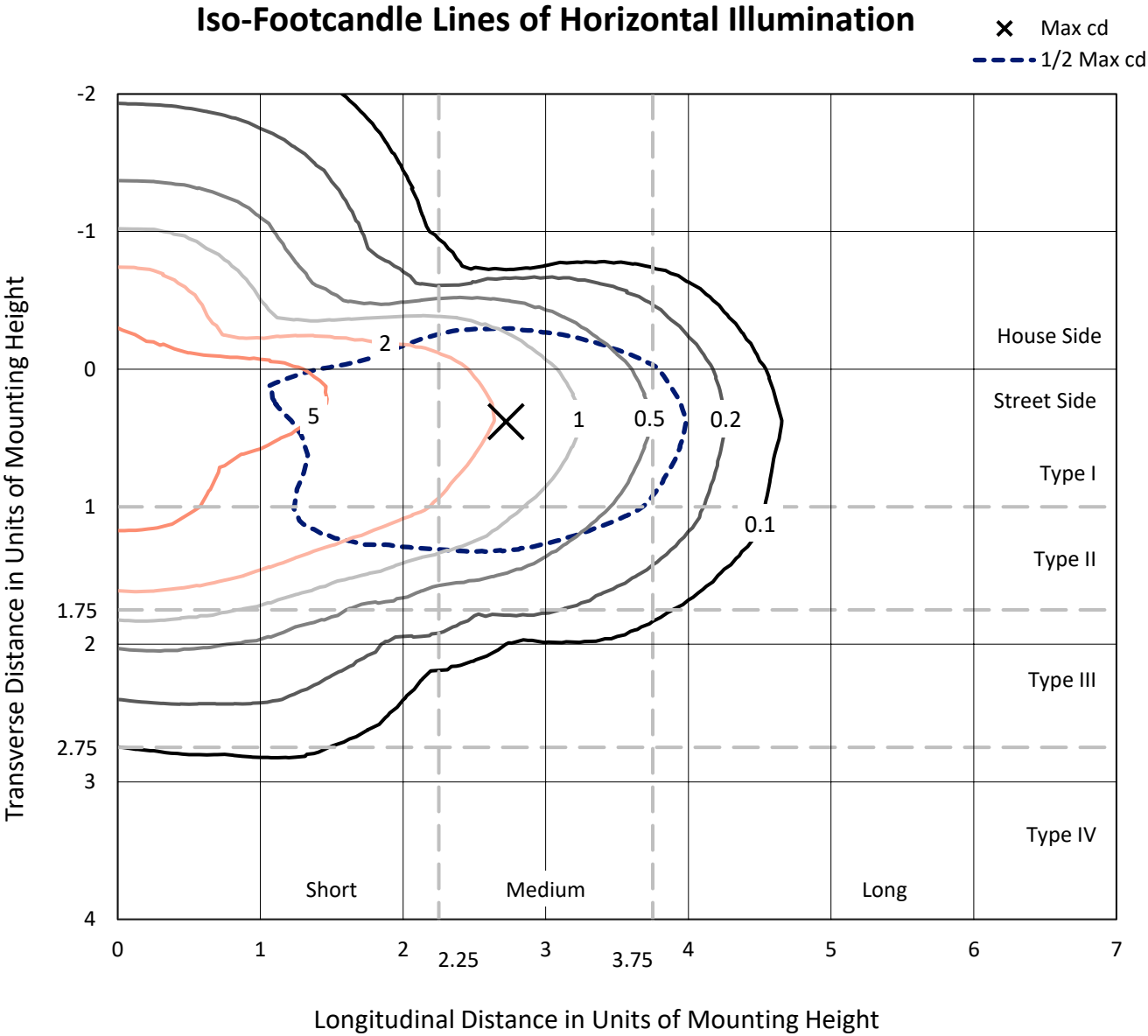
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31162.1 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 220.4
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

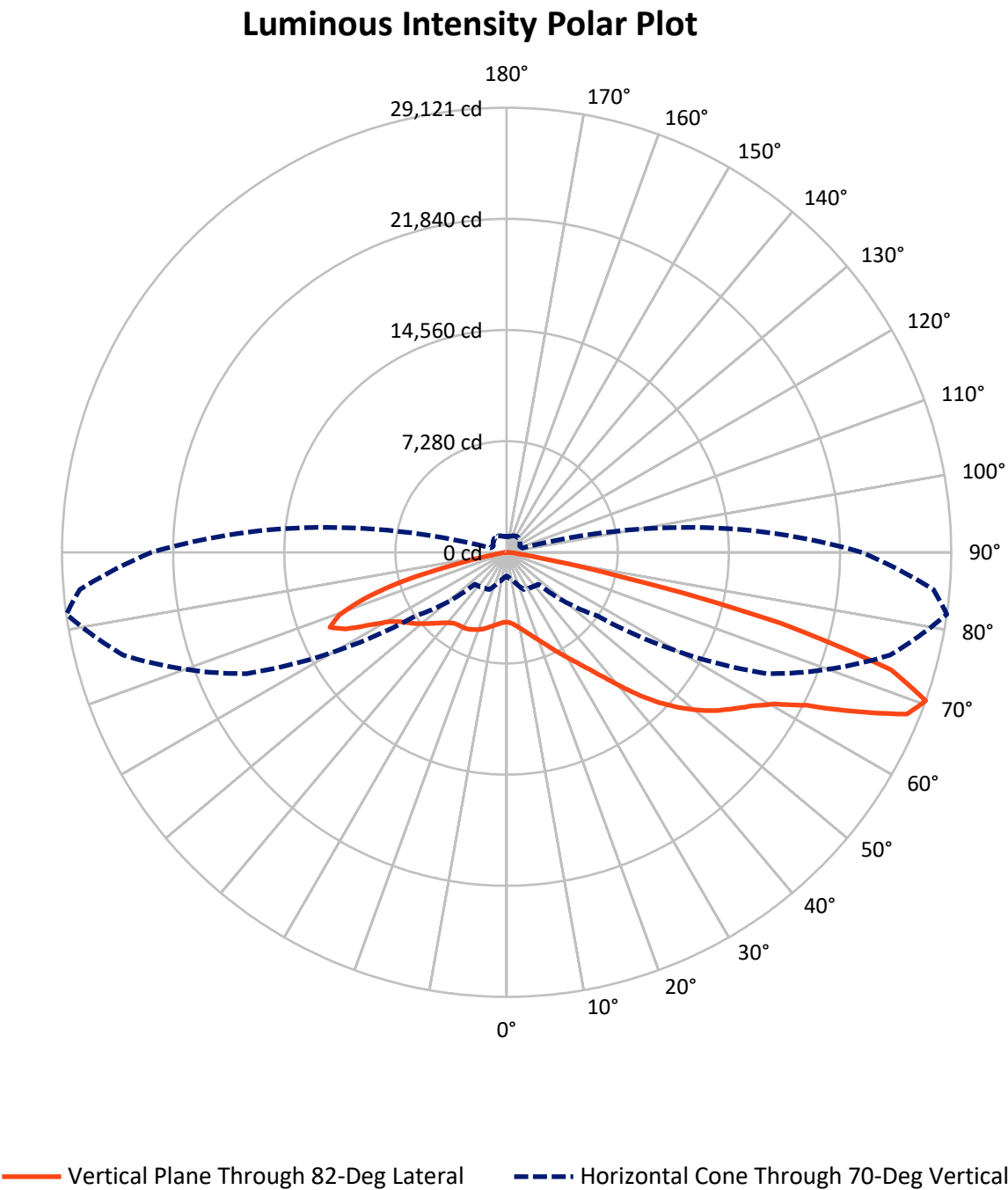


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Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Medium - N/A

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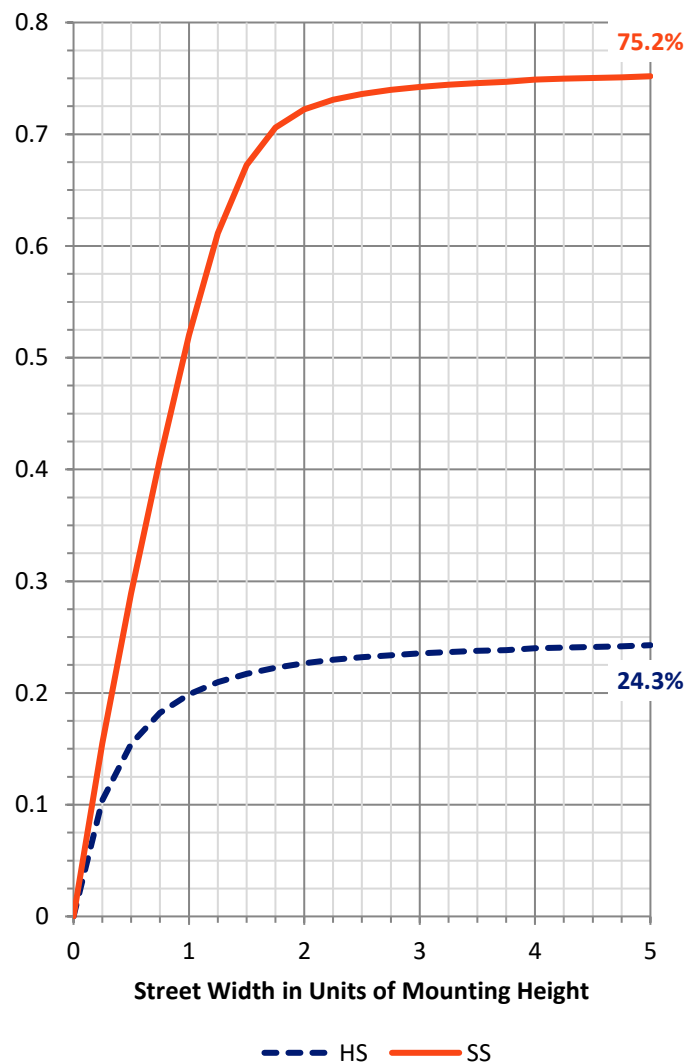
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7682.2	0.0	7682.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23479.9	0.0	23479.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	31162.1	0.0	31162.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.4	1.4
10°-20°	1239.3	4.0
20°-30°	2073.3	6.7
30°-40°	3239.0	10.4
40°-50°	5158.6	16.6
50°-60°	7178.8	23.0
60°-70°	7509.3	24.1
70°-80°	3924.8	12.6
80°-90°	407.5	1.3
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°	31162.1	100.0
0°-180°	31162.1	100.0

Coefficient of Utilization



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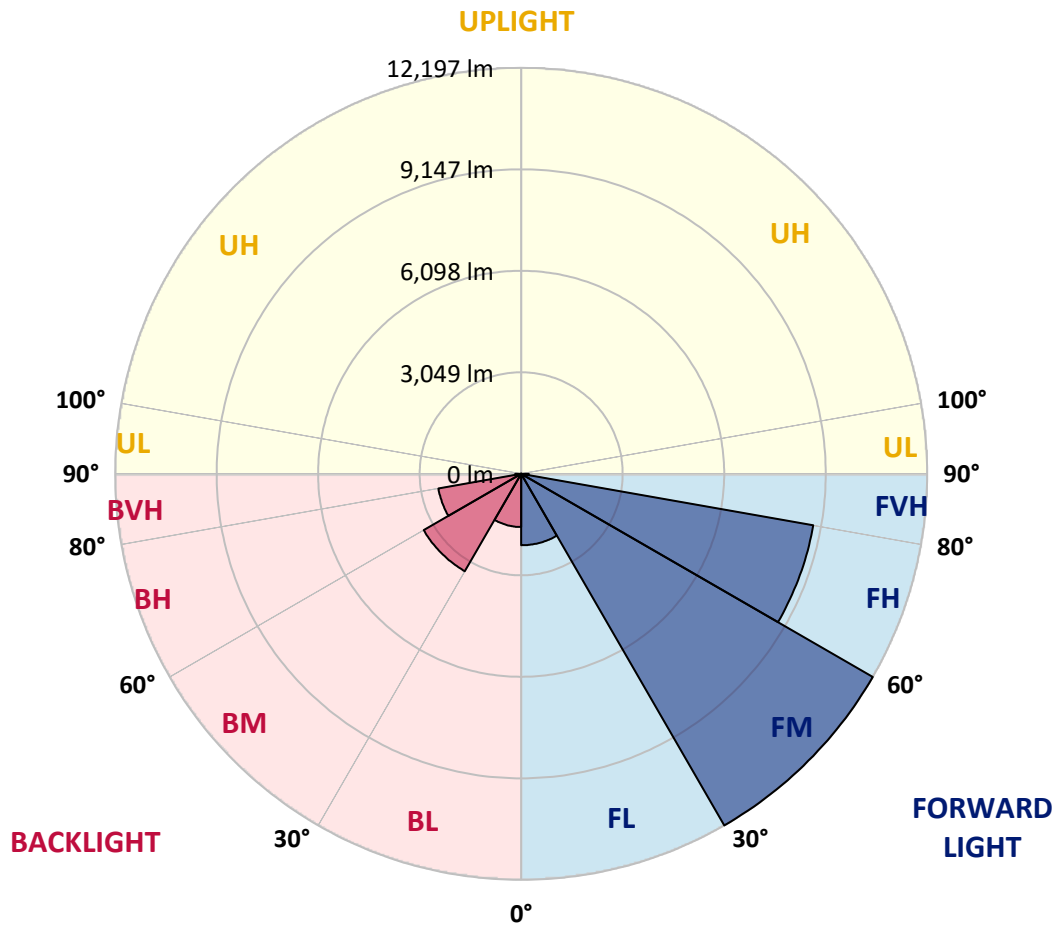
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2145.9	6.9			
FM	(30°-60°)	12196.5	39.1			
FH	(60°-80°)	8909.3	28.6			G4/12000
FVH	(80°-90°)	228.2	0.7			G3/500
BL	(0°-30°)	1598.2	5.1	B3/2500		
BM	(30°-60°)	3379.9	10.8	B3/5000		
BH	(60°-80°)	2524.8	8.1	B4/5000		G4/5000
BVH	(80°-90°)	179.4	0.6			G2/225
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7
2.5°	4677.9	4704.3	4696.0	4687.8	4687.8	4676.3	4674.6	4658.0	4644.8	4623.3	4618.3
5°	4737.4	4765.5	4762.3	4768.8	4790.3	4795.3	4800.3	4790.3	4763.9	4737.4	4725.9
7.5°	4684.5	4715.9	4725.9	4765.5	4831.6	4891.2	4935.8	4954.0	4929.2	4891.2	4873.0
10°	4505.9	4540.6	4575.4	4669.6	4787.1	4927.6	5046.6	5117.7	5112.8	5076.4	5044.9
12.5°	4143.8	4180.2	4254.6	4438.1	4653.1	4901.1	5122.6	5271.5	5322.7	5296.3	5241.7
15°	3854.4	3885.9	3942.0	4130.5	4410.0	4787.1	5150.8	5440.2	5570.8	5555.9	5489.8
17.5°	3846.1	3859.3	3894.1	3983.4	4198.4	4608.4	5121.0	5605.5	5855.2	5853.6	5770.9
20°	3991.7	3996.6	4016.5	4034.6	4157.0	4472.8	5044.9	5742.8	6174.3	6174.3	6085.0
22.5°	4193.4	4190.1	4209.9	4193.4	4252.9	4461.3	4997.0	5863.5	6529.9	6556.3	6443.9
25°	4496.0	4479.5	4474.5	4436.5	4448.0	4568.7	5050.0	6000.8	6951.6	7006.1	6865.6
27.5°	4899.5	4873.0	4854.8	4767.2	4737.4	4790.3	5212.0	6166.1	7421.1	7515.4	7336.7
30°	5425.3	5377.4	5350.9	5198.7	5091.3	5099.6	5456.7	6386.0	7912.2	8064.4	7837.8
32.5°	6142.9	6068.5	5997.4	5747.7	5551.0	5486.4	5772.5	6690.3	8444.7	8687.7	8396.7
35°	6946.5	6887.0	6810.9	6425.7	6123.0	5974.2	6199.1	7115.2	9068.1	9453.4	9074.6
37.5°	7720.4	7669.2	7705.5	7186.3	6796.1	6579.5	6758.0	7685.7	9836.9	10405.8	9924.6
40°	8520.7	8481.1	8486.0	7990.0	7535.2	7292.2	7436.0	8401.6	10718.3	11538.4	10946.5
42.5°	9390.4	9360.7	9261.5	8821.7	8310.7	8084.2	8216.5	9228.5	11664.1	12828.2	12067.5
45°	10364.4	10346.2	10253.6	9749.3	9163.9	8909.3	9087.9	10141.1	12614.9	14041.9	13193.6
47.5°	11206.1	11221.0	11209.4	10784.4	10177.5	9803.9	10017.2	11093.7	13499.6	15182.8	14273.4
50°	11611.2	11688.9	11803.0	11670.8	11293.8	10913.4	10954.8	12013.0	14342.8	16252.7	15308.5
52.5°	11399.5	11546.7	11857.6	12069.3	12214.7	12135.4	12024.6	12925.8	15136.6	17218.4	16287.5
55°	10610.8	10817.5	11333.4	11844.4	12586.8	13163.9	13309.4	13937.7	15910.5	18068.3	17213.4
57.5°	9173.9	9509.5	9972.5	11006.0	12256.1	13661.6	14807.5	15341.6	16730.6	18976.1	18182.4
60°	6710.1	7159.8	7735.3	9273.1	11098.6	13395.4	16082.4	17497.8	17896.3	20151.8	19444.0
62.5°	4294.2	4572.0	5101.2	6549.6	8648.0	12031.2	16472.6	20193.1	19872.3	22079.8	21335.7
65°	2940.0	3118.6	3603.1	4416.6	5590.7	8955.6	15427.6	22213.7	23010.7	25135.6	24570.1
67.5°	2136.4	2272.0	2685.4	3398.1	3642.7	5299.7	11971.7	22121.1	26061.5	28283.8	27404.2
70°	1557.6	1653.5	2000.8	2685.4	2802.8	2948.3	7252.5	18804.1	25995.4	29120.6	28067.3
72.5°	1154.1	1220.4	1453.4	2083.5	2268.6	1990.9	3589.9	13666.5	22337.7	26339.3	25494.4
75°	835.1	884.7	1056.6	1594.0	1815.6	1516.3	1790.8	7986.6	15581.3	18528.0	18676.8
77.5°	638.3	676.3	788.7	1167.4	1453.4	1137.6	1111.2	3674.2	7388.0	7424.4	7841.1
80°	512.6	537.4	598.6	821.8	1114.5	851.6	724.3	1483.3	2334.8	1976.0	2073.6
82.5°	377.0	418.3	505.9	577.1	797.0	587.0	441.5	749.1	888.0	763.9	770.6
85°	214.9	243.0	305.9	413.4	509.3	358.9	253.0	332.4	413.4	339.0	302.6
87.5°	76.1	99.2	107.5	162.1	221.6	148.8	97.6	95.9	135.6	100.9	84.4
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°	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7	4568.7
2.5°	4601.8	4593.5	4560.4	4515.8	4469.5	4424.9	4410.0	4378.6	4357.1	4345.5	4358.7
5°	4694.4	4668.0	4590.3	4491.0	4386.9	4274.5	4195.0	4122.2	4069.4	4019.7	4039.6
7.5°	4826.7	4780.4	4646.4	4472.8	4287.7	4100.8	3961.9	3856.0	3784.9	3738.7	3748.6
10°	4980.5	4909.3	4704.3	4444.7	4158.6	3890.8	3727.1	3636.2	3591.5	3566.7	3573.4
12.5°	5157.4	5056.5	4763.9	4380.2	3961.9	3656.0	3543.5	3517.1	3518.7	3520.4	3523.7
15°	5375.7	5235.1	4811.9	4239.7	3705.6	3475.8	3455.9	3498.9	3543.5	3565.1	3563.4
17.5°	5622.0	5423.6	4820.1	4008.2	3454.2	3360.1	3422.9	3515.4	3583.2	3613.0	3619.6
20°	5886.6	5615.5	4760.5	3680.8	3247.6	3265.8	3378.2	3497.2	3571.6	3609.6	3619.6
22.5°	6189.3	5820.5	4618.3	3336.9	3078.9	3163.3	3295.5	3411.3	3489.0	3527.0	3537.0
25°	6534.8	6050.4	4395.1	3047.5	2933.3	3047.5	3179.8	3275.7	3338.5	3373.3	3383.1
27.5°	6918.4	6290.1	4097.4	2817.6	2806.0	2928.4	3037.6	3112.0	3145.0	3171.5	3181.4
30°	7303.7	6508.3	3737.0	2644.0	2695.2	2811.1	2888.8	2921.9	2931.7	2936.7	2948.3
32.5°	7720.4	6696.8	3358.3	2500.2	2589.5	2697.0	2743.2	2758.1	2711.8	2680.4	2690.3
35°	8224.7	6898.6	2988.0	2386.1	2485.3	2577.9	2592.7	2579.5	2525.0	2460.5	2463.8
37.5°	8848.1	7149.9	2692.0	2305.0	2387.7	2448.9	2430.7	2427.4	2432.3	2356.3	2361.3
40°	9612.0	7477.4	2475.4	2242.2	2308.3	2321.6	2270.3	2298.5	2323.3	2207.4	2210.8
42.5°	10460.3	7872.5	2338.1	2199.2	2242.2	2210.8	2131.4	2162.9	2159.6	2007.4	2005.7
45°	11325.1	8302.5	2290.2	2167.8	2181.0	2118.2	2030.5	2038.8	1969.3	1832.1	1837.1
47.5°	12185.0	8763.8	2319.9	2141.3	2104.9	2033.9	1966.1	1929.7	1827.2	1724.7	1724.7
50°	13028.3	9248.3	2429.0	2088.4	2000.8	1959.5	1909.9	1845.3	1736.2	1648.6	1641.9
52.5°	13810.4	9736.1	2551.4	2000.8	1870.1	1894.9	1863.6	1789.1	1681.6	1592.3	1594.0
55°	14551.2	10223.9	2599.4	1880.1	1747.8	1838.7	1820.5	1683.4	1554.3	1481.5	1475.0
57.5°	15358.1	10810.9	2546.5	1726.3	1648.6	1774.3	1704.8	1552.7	1478.3	1423.7	1418.7
60°	16476.0	11731.9	2432.3	1536.2	1554.3	1678.3	1559.3	1496.5	1415.4	1354.2	1350.9
62.5°	18332.8	13449.9	2248.8	1347.7	1443.5	1536.2	1489.8	1427.0	1344.3	1284.8	1284.8
65°	21077.8	15837.7	1903.2	1200.5	1319.5	1397.3	1415.4	1352.6	1266.6	1203.8	1207.0
67.5°	23392.8	17335.7	1440.2	1078.1	1192.2	1284.8	1336.1	1274.9	1184.0	1122.8	1124.4
70°	23265.3	16247.8	1099.6	957.5	1079.7	1174.0	1240.1	1192.2	1094.6	1036.8	1041.7
72.5°	20664.3	13592.1	889.6	835.1	965.7	1058.3	1137.6	1101.3	1002.0	945.9	945.9
75°	15181.2	9648.4	711.0	711.0	823.5	937.6	1025.2	1002.0	911.1	871.5	859.9
77.5°	6399.2	4047.9	557.3	590.3	684.6	805.2	914.4	922.7	843.3	892.9	810.3
80°	1701.5	1116.1	425.0	464.6	537.4	664.7	795.4	792.0	706.0	659.8	613.5
82.5°	648.2	439.8	302.6	327.4	388.6	509.3	630.0	649.8	563.9	487.8	487.8
85°	249.7	188.5	186.9	196.8	226.5	337.3	476.2	492.7	425.0	360.5	372.1
87.5°	64.5	56.2	69.5	66.1	104.1	180.2	272.9	282.8	259.6	150.5	214.9
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)