

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: P199930

Luminaire Tested: **GAP-AF-02-LED-U-AFL-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24297)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-AFL-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10789.3 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 129
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



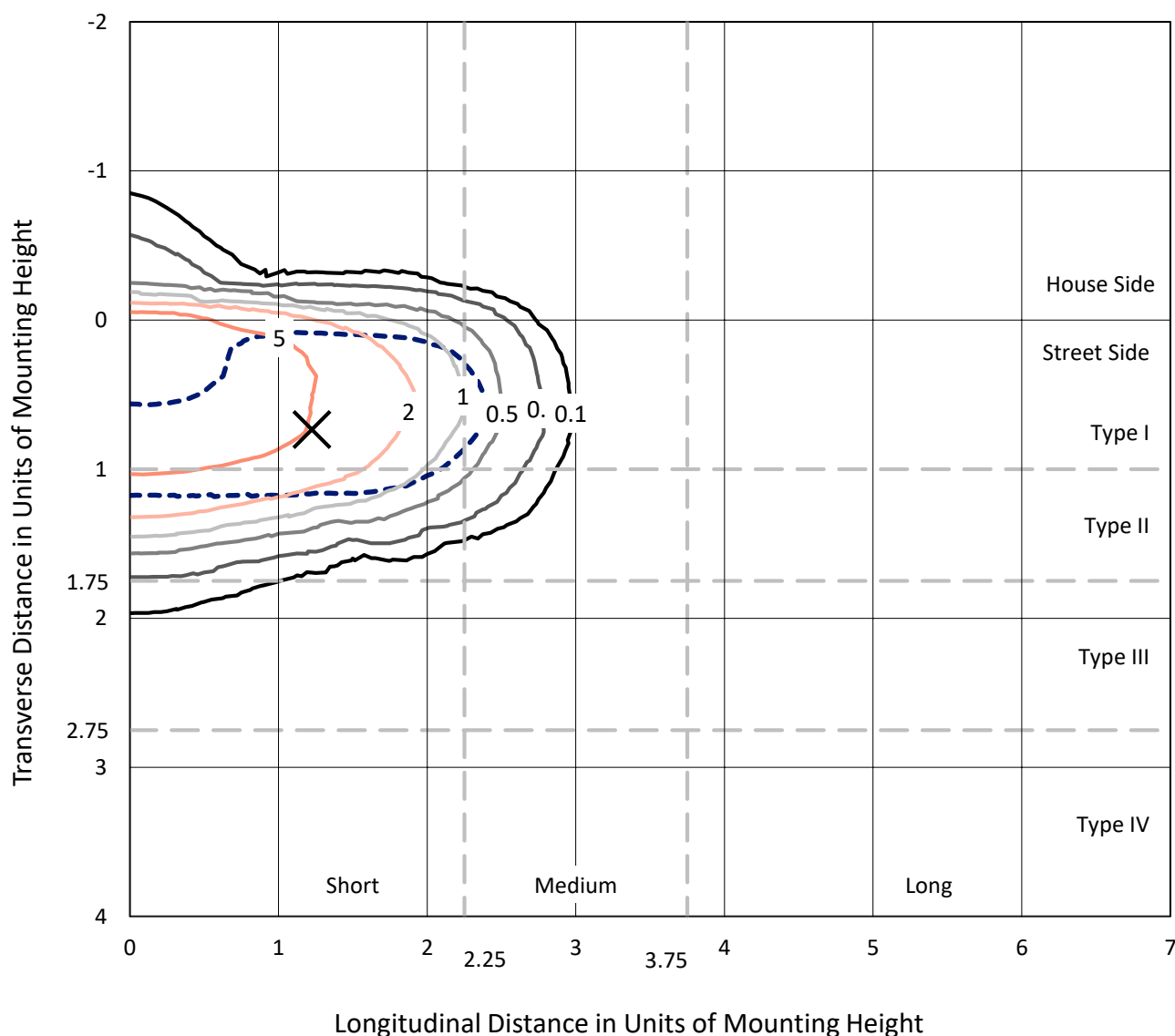
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

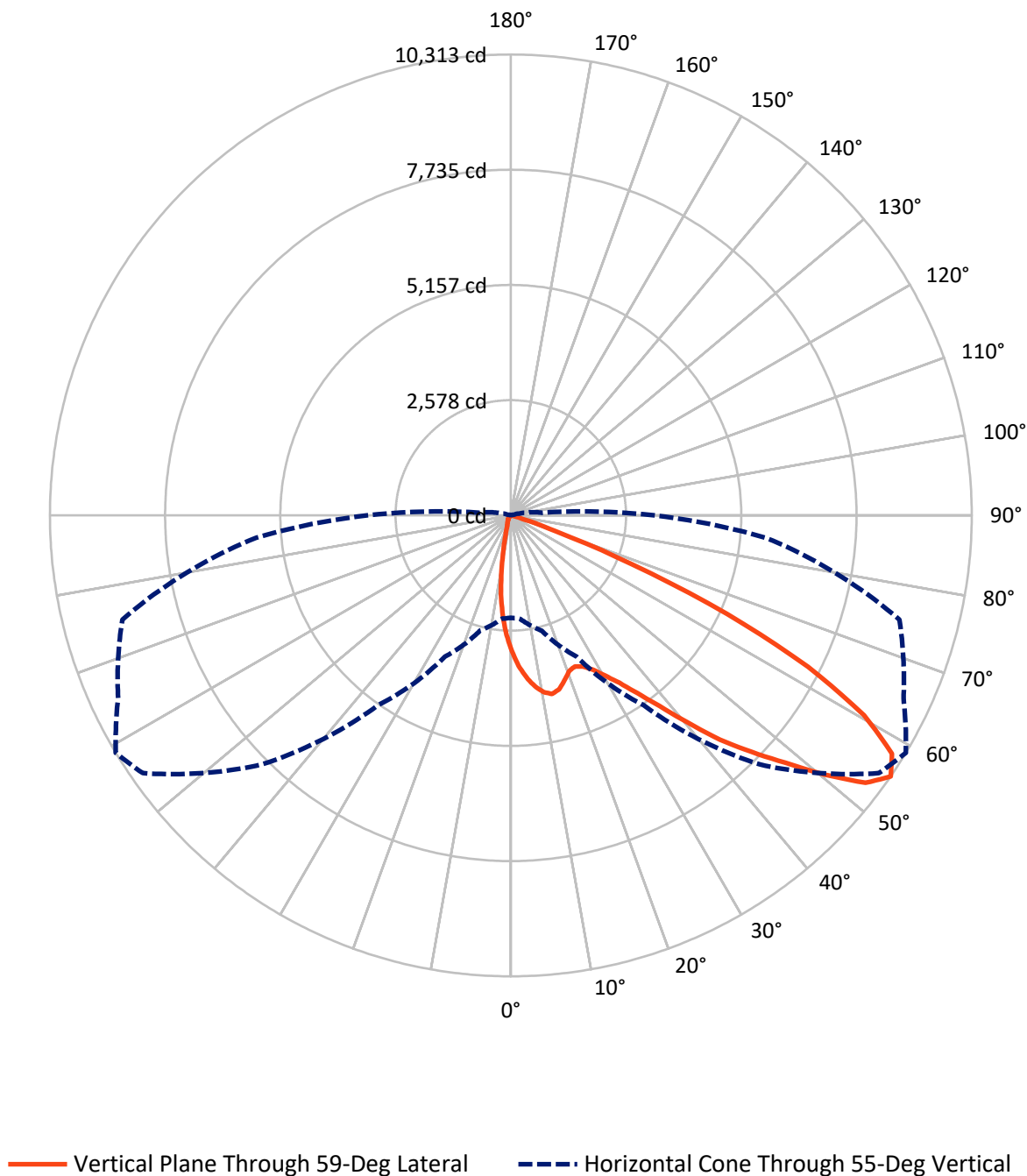


Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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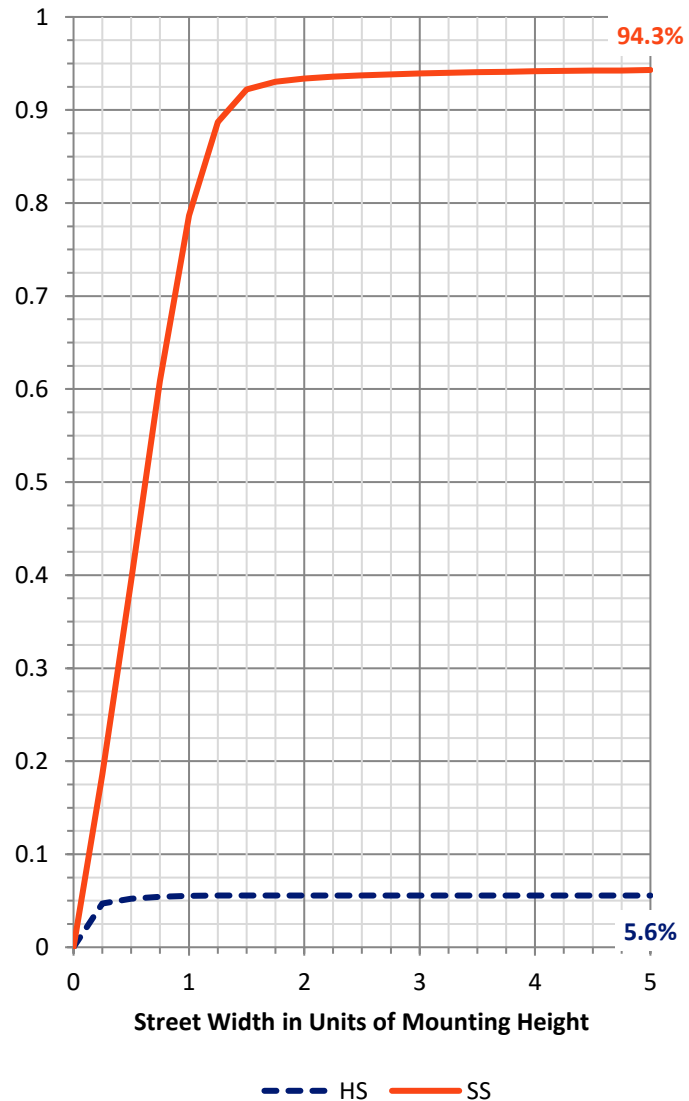
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.6	0.0	602.6
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	10186.7	0.0	10186.7
	% Fixture	94.4	0.0	94.4
Total	Lumens	10789.3	0.0	10789.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.4	2.4
10°-20°	609.1	5.6
20°-30°	1036.4	9.6
30°-40°	1782.5	16.5
40°-50°	2751.9	25.5
50°-60°	2766.5	25.6
60°-70°	1418.7	13.1
70°-80°	153.7	1.4
80°-90°	16.1	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°	10789.3	100.0
0°-180°	10789.3	100.0

Coefficient of Utilization



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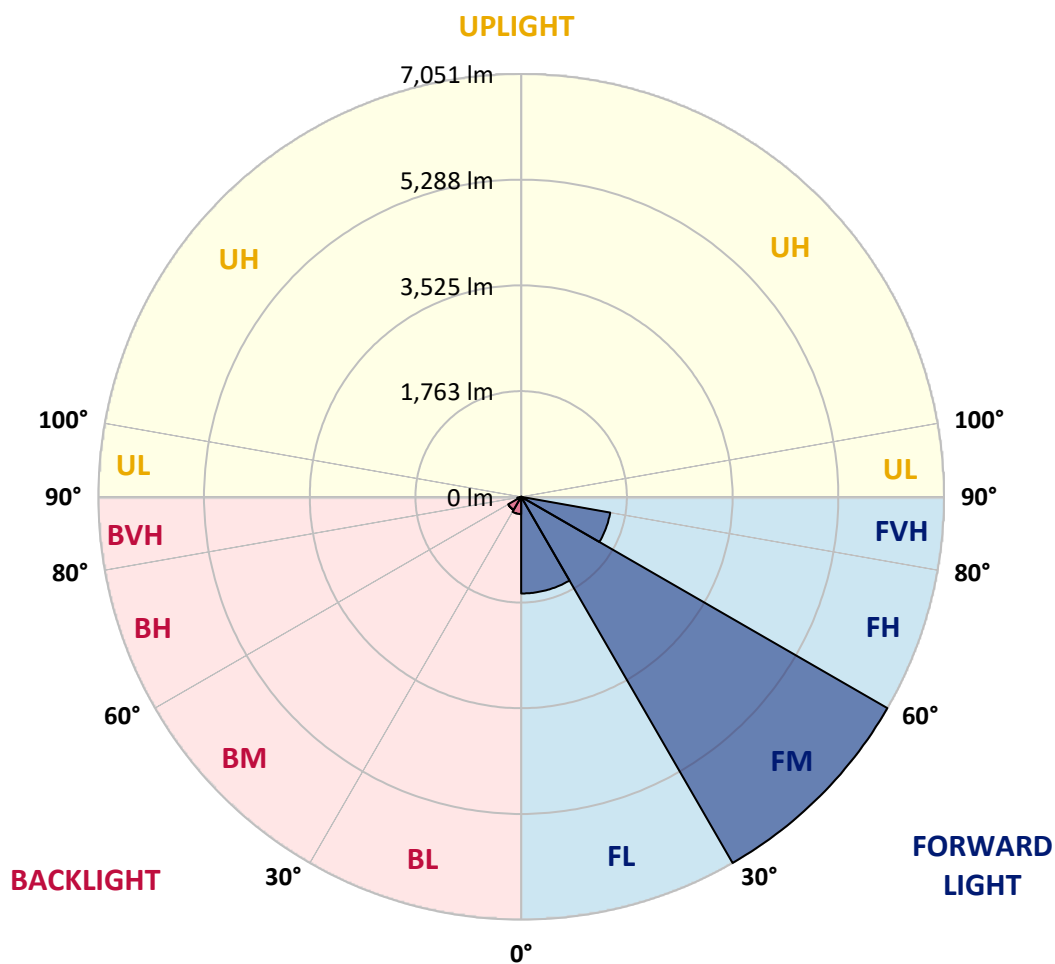
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1612.3	14.9			
FM	(30°-60°)	7050.8	65.3			
FH	(60°-80°)	1507.9	14.0			G1/1800
FVH	(80°-90°)	15.7	0.1			G1/100
BL	(0°-30°)	287.6	2.7	B1/500		
BM	(30°-60°)	250.1	2.3	B1/1000		
BH	(60°-80°)	64.6	0.6	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2
2.5°	3593.6	3555.4	3544.1	3536.4	3501.3	3457.4	3397.5	3369.5	3312.2	3219.9	3106.6
5°	3922.9	3915.9	3890.4	3876.4	3838.9	3776.4	3680.8	3635.0	3544.1	3388.6	3185.6
7.5°	3779.0	3822.9	3858.0	3916.5	3990.3	3987.8	3907.5	3859.8	3758.0	3552.9	3273.4
10°	3223.0	3258.7	3316.0	3449.1	3720.4	3959.8	4053.9	4019.6	3938.1	3703.8	3358.1
12.5°	3114.2	3110.4	3120.6	3159.4	3301.4	3642.7	4029.2	4098.6	4082.0	3842.0	3438.3
15°	3172.2	3167.7	3166.5	3179.8	3214.2	3358.1	3842.6	4041.9	4169.9	3969.9	3506.4
17.5°	3334.5	3315.4	3305.2	3294.3	3284.3	3319.9	3618.4	3883.4	4183.2	4082.0	3563.1
20°	3612.7	3581.0	3543.4	3482.2	3425.0	3407.1	3524.2	3720.4	4135.5	4167.3	3600.0
22.5°	3962.3	3921.6	3856.7	3745.2	3628.7	3561.2	3570.7	3668.8	4064.2	4260.3	3617.2
25°	4355.2	4302.9	4216.5	4061.6	3890.4	3770.6	3708.3	3742.6	4031.7	4369.2	3636.9
27.5°	4776.0	4718.2	4604.7	4394.0	4199.8	4038.1	3910.7	3906.2	4087.2	4511.9	3668.8
30°	5193.1	5184.3	5036.6	4813.6	4556.3	4359.7	4176.2	4152.7	4241.9	4709.2	3731.9
32.5°	5749.6	5682.8	5502.0	5272.8	4976.0	4739.7	4522.7	4467.8	4479.3	4939.1	3829.2
35°	6451.2	6378.0	6123.3	5806.9	5475.2	5196.3	4956.2	4881.7	4853.8	5315.4	3993.5
37.5°	6904.6	6903.3	6743.5	6421.3	6065.4	5757.9	5496.9	5409.5	5352.9	5770.0	4248.2
40°	6916.6	6946.6	6967.7	6964.5	6711.0	6427.7	6196.0	6088.4	5956.5	6377.4	4577.4
42.5°	6545.5	6622.5	6807.8	7122.4	7272.7	7160.0	6964.5	6858.7	6662.6	7027.4	4978.5
45°	6043.7	6097.2	6421.3	7000.8	7577.0	7885.8	7736.7	7547.7	7289.2	7705.6	5338.3
47.5°	5819.0	5828.6	6038.0	6674.1	7600.0	8480.4	8571.0	8263.4	7858.5	8252.0	5619.8
50°	5147.3	5164.4	5453.5	6108.0	7331.2	8761.3	9408.9	9117.2	8479.2	8672.8	5722.2
52.5°	3879.6	3903.8	4270.5	5177.8	6592.6	8641.7	10008.5	9938.0	9159.2	8878.4	5727.9
55°	2289.0	2320.8	2671.1	3485.4	5185.5	7880.1	10053.2	10313.0	9696.0	9000.0	5719.0
57.5°	1069.1	1091.4	1291.9	1795.5	3225.0	6227.8	9382.1	10055.7	9992.1	9064.3	5782.1
60°	567.9	574.3	622.7	777.5	1457.4	3948.9	8072.4	9080.3	9722.1	9153.5	5859.1
62.5°	434.2	436.2	433.6	452.2	612.5	1752.8	6101.7	7464.9	8635.2	9086.6	5773.8
65°	376.3	379.4	361.6	357.2	392.9	625.3	3624.9	5321.0	6785.5	8184.4	5192.4
67.5°	337.5	338.7	317.1	298.6	305.0	338.0	1430.1	2913.0	4491.4	5999.2	3763.7
70°	310.8	309.4	285.9	256.6	248.3	231.1	454.6	1067.8	2146.4	3042.3	1750.4
72.5°	275.2	275.7	264.2	226.0	206.3	161.7	210.8	311.4	640.6	829.1	410.0
75°	243.8	240.7	226.7	202.4	170.0	106.3	104.5	138.8	197.4	196.1	88.5
77.5°	176.4	173.1	177.6	166.2	130.6	68.8	52.2	66.8	80.2	77.7	24.8
80°	129.3	127.4	114.6	138.2	115.3	47.1	32.4	35.6	41.4	35.1	7.6
82.5°	88.5	87.9	80.9	76.4	65.5	28.6	20.3	22.3	26.8	19.7	3.9
85°	13.9	16.0	58.6	46.4	38.8	12.8	13.9	15.3	17.8	10.8	1.3
87.5°	0.0	0.0	27.5	24.1	7.6	5.1	8.3	9.0	9.0	5.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2	3037.2
2.5°	3048.7	2985.0	2867.2	2745.5	2632.8	2498.5	2406.2	2336.7	2256.5	2234.9	2282.0
5°	3069.6	2949.4	2695.9	2420.2	2161.0	1873.9	1654.1	1480.4	1323.1	1269.6	1318.0
7.5°	3102.8	2923.8	2510.6	2056.6	1605.8	1157.6	850.7	648.8	520.2	482.1	502.4
10°	3135.8	2886.8	2296.0	1626.3	1009.9	563.4	366.8	293.0	265.5	259.8	263.0
12.5°	3163.3	2837.3	2034.3	1156.3	540.0	301.8	240.1	228.0	224.1	224.1	225.4
15°	3179.8	2762.1	1724.2	735.5	310.8	228.0	209.4	205.6	205.6	206.3	207.6
17.5°	3178.0	2666.6	1384.9	445.1	232.4	201.8	190.9	187.8	187.2	188.5	189.1
20°	3154.4	2541.8	1044.2	293.6	202.4	184.0	173.1	167.5	166.8	168.0	169.4
22.5°	3109.7	2387.8	746.9	226.0	182.8	166.8	153.4	148.4	148.4	149.5	150.9
25°	3055.7	2199.3	510.7	191.6	164.9	148.4	135.6	131.1	132.4	135.6	136.2
27.5°	2988.1	1987.2	347.0	164.3	143.2	129.9	120.3	117.1	120.3	124.8	126.0
30°	2930.3	1766.2	247.7	142.0	121.6	112.1	106.3	106.3	110.8	119.1	121.0
32.5°	2885.6	1552.3	190.9	125.4	105.7	97.5	94.2	97.5	104.5	112.6	114.6
35°	2879.8	1375.9	161.7	112.1	94.2	86.0	84.6	90.4	97.5	103.8	105.1
37.5°	2923.8	1213.0	145.9	101.3	84.0	76.4	75.2	82.2	89.1	96.8	98.7
40°	3007.3	1085.0	134.4	91.0	75.7	67.5	64.9	70.0	79.5	89.8	92.4
42.5°	3115.5	979.3	121.6	80.9	67.5	56.0	52.9	58.6	68.8	79.5	82.8
45°	3218.7	888.3	107.6	69.4	56.7	43.2	42.1	49.7	54.7	65.5	68.2
47.5°	3275.3	808.0	95.5	56.7	43.9	35.1	35.1	36.9	42.1	54.7	57.3
50°	3256.2	743.7	82.8	42.1	30.6	26.8	26.8	26.1	33.8	43.9	45.9
52.5°	3218.0	706.8	71.3	32.4	21.0	19.1	17.2	19.1	23.6	28.0	28.6
55°	3212.2	700.4	59.9	26.1	14.6	12.8	9.5	9.5	9.5	9.0	7.6
57.5°	3256.8	710.6	50.3	21.0	10.8	8.3	5.1	0.0	0.0	0.0	0.0
60°	3302.7	721.4	43.2	14.6	7.6	4.5	0.6	0.0	0.0	0.0	0.0
62.5°	3226.3	697.2	36.3	9.0	5.7	1.8	0.0	0.0	0.0	0.0	0.0
65°	2834.0	593.4	28.6	6.3	3.9	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2015.9	397.2	19.1	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	920.1	166.2	12.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	196.7	51.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	40.1	37.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.8	59.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.6	42.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)