

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: P691147

Luminaire Tested: **CRTK2-C013-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2610.1 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 20.4
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

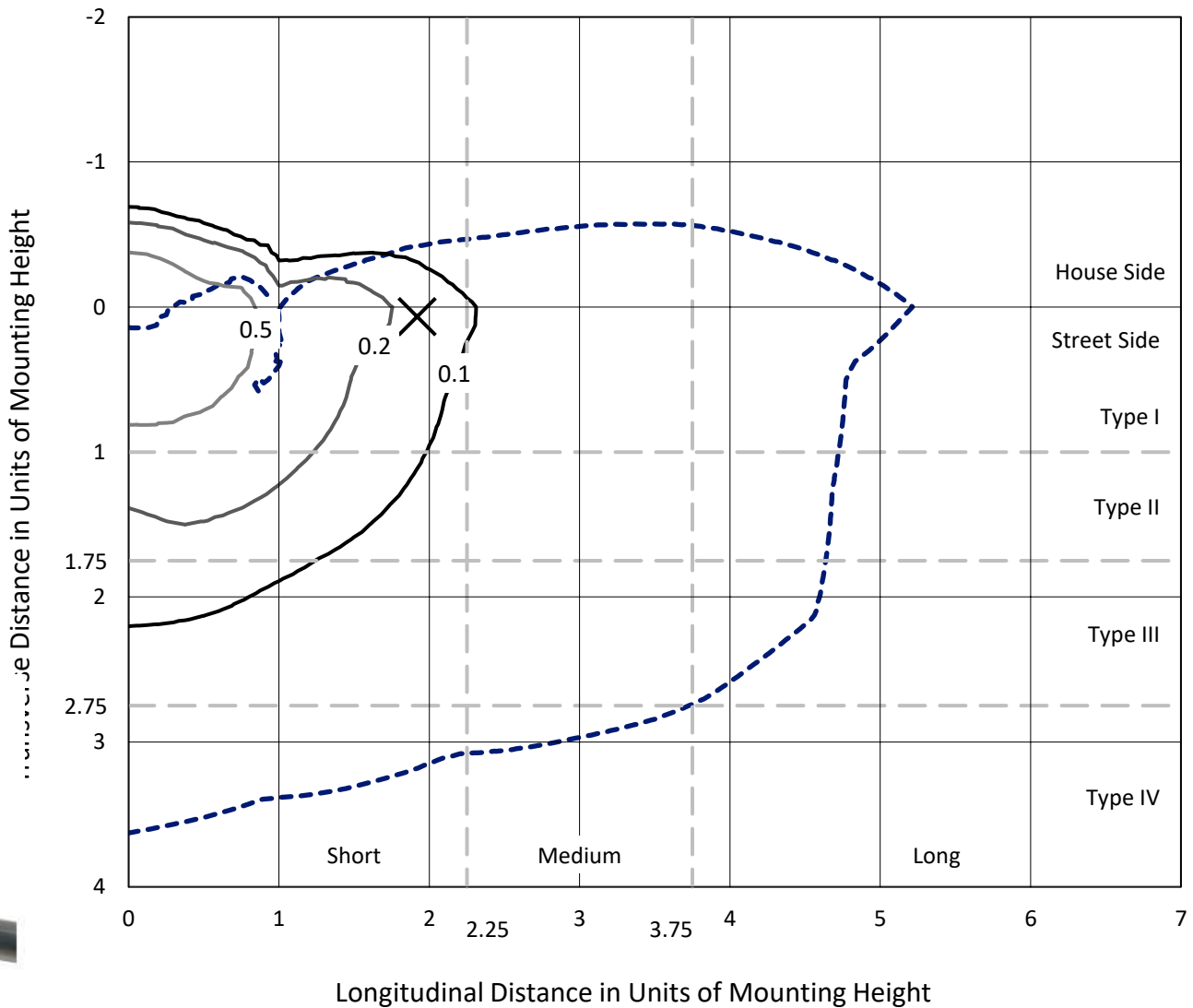


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

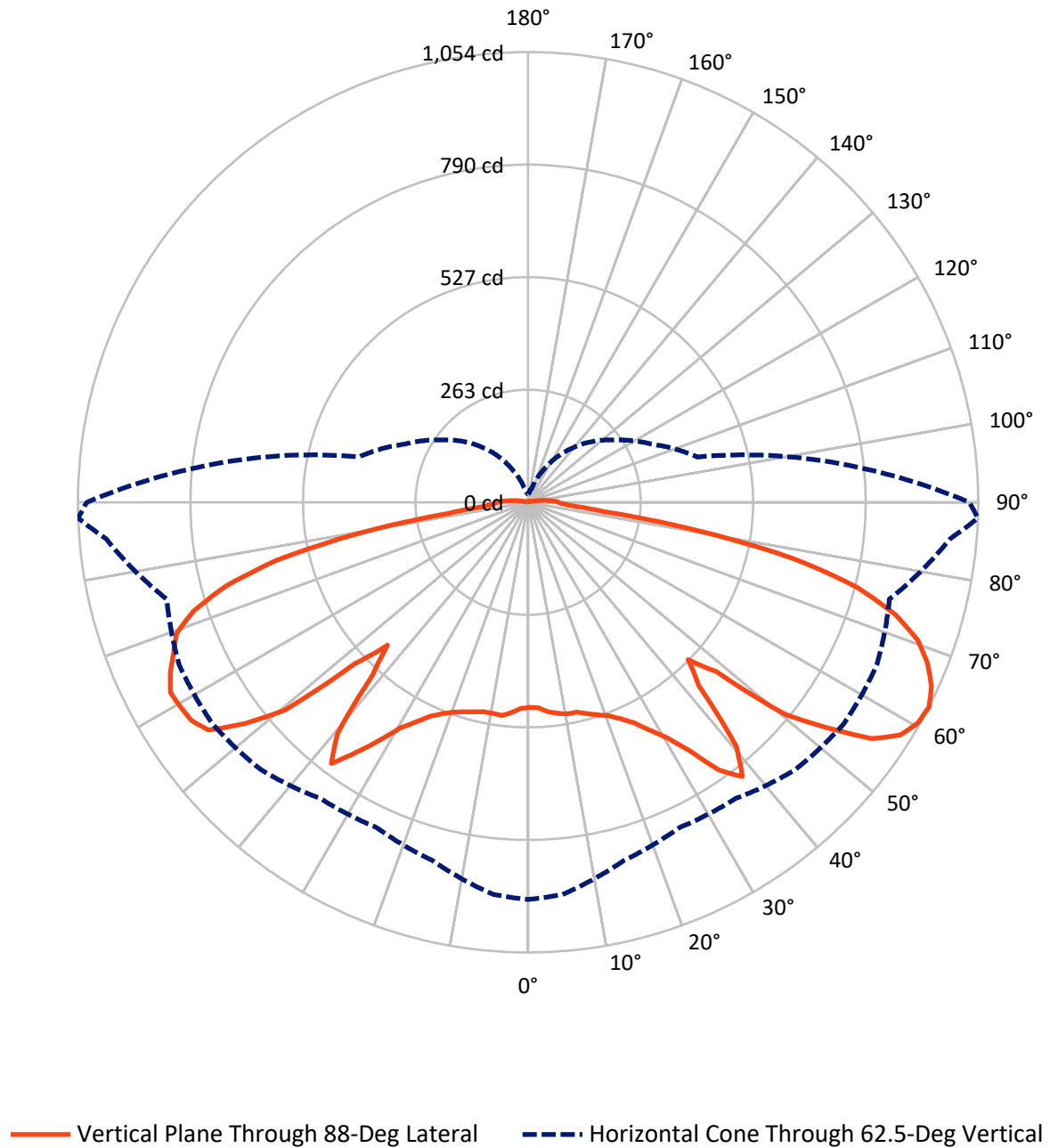


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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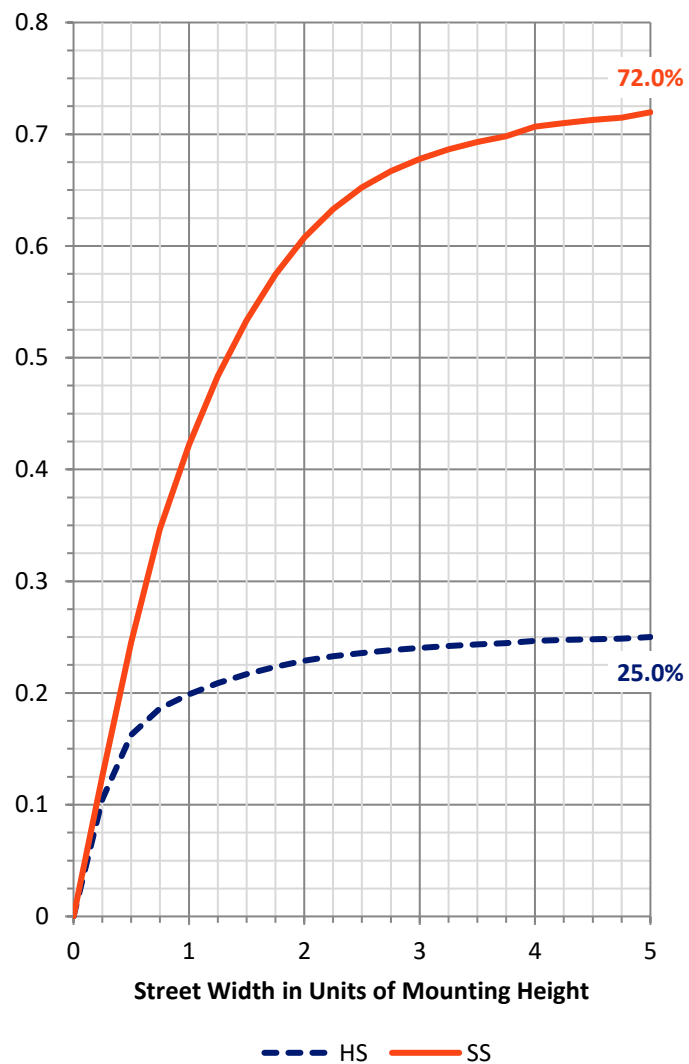
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.0	12.5	676.6
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	1902.6	30.9	1933.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	2566.7	43.4	2610.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.8
10°-20°	144.4	5.5
20°-30°	244.6	9.4
30°-40°	337.7	12.9
40°-50°	292.1	11.2
50°-60°	422.8	16.2
60°-70°	553.4	21.2
70°-80°	419.6	16.1
80°-90°	104.7	4.0
90°-100°	30.8	1.2
100°-110°	7.1	0.3
110°-120°	3.2	0.1
120°-130°	2.1	0.1
130°-140°	0.2	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°	2566.7	98.3
0°-180°	2610.1	100.0

Coefficient of Utilization



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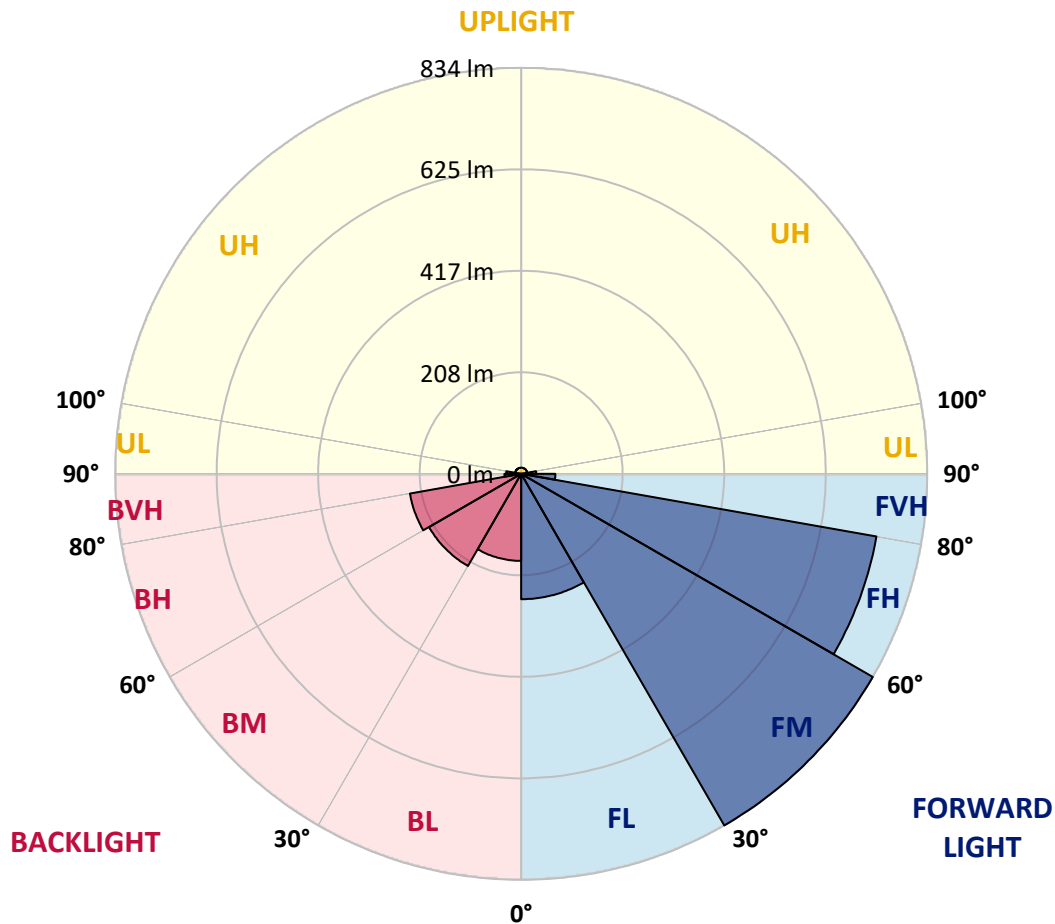
CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.5	9.9			
FM	(30°-60°)	833.9	31.9			
FH	(60°-80°)	740.9	28.4			G1/1800
FVH	(80°-90°)	70.3	2.7			G1/100
BL	(0°-30°)	178.9	6.9	B1/500		
BM	(30°-60°)	218.6	8.4	B0/220		
BH	(60°-80°)	232.2	8.9	B1/500		G1/500
BVH	(80°-90°)	34.4	1.3			G1/100
UL	(90°-100°)	30.8	1.2		U2/50	
UH	(100°-180°)	12.6	0.5		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0
2.5°	475.0	475.0	474.0	475.0	477.0	479.0	477.0	478.0	479.0	481.0	482.0
5°	493.0	492.0	490.0	488.0	486.0	486.0	484.0	483.0	485.0	491.0	493.0
7.5°	508.0	505.0	503.0	504.0	501.0	496.0	492.0	490.0	488.0	496.0	499.0
10°	532.0	530.0	523.0	517.0	513.0	505.0	496.0	495.0	494.0	502.0	504.0
12.5°	556.0	554.0	550.0	544.0	531.0	524.0	510.0	504.0	503.0	508.0	504.0
15°	591.0	587.0	576.0	570.0	557.0	546.0	529.0	520.0	522.0	515.0	513.0
17.5°	611.0	609.0	608.0	599.0	589.0	570.0	554.0	541.0	545.0	529.0	523.0
20°	633.0	632.0	634.0	635.0	622.0	605.0	585.0	565.0	566.0	545.0	533.0
22.5°	661.0	658.0	662.0	667.0	656.0	642.0	616.0	600.0	592.0	564.0	550.0
25°	694.0	693.0	693.0	702.0	700.0	681.0	656.0	638.0	630.0	592.0	571.0
27.5°	728.0	729.0	731.0	737.0	740.0	729.0	705.0	689.0	674.0	624.0	603.0
30°	750.0	750.0	764.0	773.0	776.9	776.9	748.0	736.0	721.0	665.0	639.0
32.5°	776.9	778.9	791.9	806.9	812.9	820.9	796.9	787.9	775.0	716.0	692.0
35°	795.9	798.9	818.9	841.9	857.9	861.9	847.9	851.9	845.9	782.9	770.0
37.5°	713.0	721.0	751.0	795.9	838.9	880.9	895.9	915.9	918.9	845.9	814.9
40°	621.0	624.0	658.0	691.0	744.0	777.9	815.9	859.9	835.9	757.0	751.0
42.5°	551.0	564.0	611.0	636.0	677.0	685.0	666.0	638.0	595.0	588.0	585.0
45°	539.0	552.0	599.0	640.0	660.0	562.0	509.0	472.0	489.0	531.0	526.0
47.5°	595.0	611.0	660.0	707.0	666.0	557.0	522.0	521.0	507.0	579.0	592.0
50°	629.0	642.0	699.0	698.0	665.0	612.0	631.0	610.0	585.0	708.0	780.9
52.5°	646.0	658.0	678.0	703.0	706.0	702.0	707.0	690.0	652.0	821.9	876.9
55°	599.0	629.0	716.0	759.0	776.9	766.0	769.0	757.0	732.0	892.9	976.9
57.5°	750.0	766.0	797.9	808.9	819.9	814.9	818.9	814.9	791.9	945.9	1027.9
60°	836.9	836.9	850.9	832.9	838.9	855.9	867.9	867.9	843.9	984.9	1048.9
62.5°	929.9	921.9	867.9	839.9	846.9	884.9	902.9	900.9	875.9	990.9	1053.9
65°	911.9	897.9	878.9	817.9	825.9	878.9	903.9	902.9	876.9	968.9	1037.9
67.5°	777.9	790.9	813.9	808.9	788.9	849.9	888.9	890.9	860.9	931.9	1008.9
70°	674.0	682.0	696.0	738.0	747.0	809.9	871.9	880.9	840.9	888.9	967.9
72.5°	587.0	592.0	581.0	624.0	656.0	739.0	811.9	828.9	787.9	814.9	898.9
75°	502.0	491.0	478.0	497.0	522.0	610.0	699.0	733.0	697.0	714.0	796.9
77.5°	390.0	374.0	361.0	366.0	389.0	465.0	551.0	605.0	573.0	572.0	638.0
80°	266.0	252.0	243.0	241.0	258.0	305.0	367.0	431.0	403.0	376.0	405.0
82.5°	166.0	166.0	158.0	146.0	145.0	154.0	166.0	182.0	172.0	168.0	177.0
85°	104.0	105.0	101.0	88.0	85.0	87.0	93.0	97.0	94.0	97.0	100.0
87.5°	73.0	72.0	67.0	65.0	64.0	67.0	72.0	74.0	74.0	77.0	77.0
90°	55.0	55.0	52.0	51.0	51.0	54.0	59.0	63.0	66.0	71.0	71.0
92.5°	46.0	46.0	44.0	43.0	43.0	44.0	48.0	53.0	56.0	61.0	59.0
95°	38.0	38.0	37.0	37.0	37.0	38.0	40.0	43.0	44.0	44.0	44.0
97.5°	30.0	29.0	28.0	28.0	28.0	29.0	30.0	33.0	34.0	31.0	31.0
100°	21.0	20.0	19.0	20.0	20.0	20.0	21.0	22.0	22.0	20.0	19.0
102.5°	13.0	13.0	13.0	13.0	12.0	12.0	12.0	12.0	11.0	10.0	10.0
105°	9.0	9.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0
107.5°	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	5.0	5.0
110°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	4.0	4.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	4.0	4.0
115°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0
117.5°	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0
120°	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
122.5°	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
125°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
130°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0
2.5°	482.0	484.0	488.0	493.0	497.0	500.0	502.0	504.0	504.0	502.0	504.0
5°	493.0	495.0	502.0	507.0	507.0	504.0	502.0	501.0	503.0	504.0	506.0
7.5°	502.0	504.0	501.0	503.0	505.0	502.0	498.0	495.0	492.0	489.0	491.0
10°	503.0	498.0	498.0	496.0	489.0	490.0	489.0	484.0	480.0	481.0	482.0
12.5°	502.0	500.0	492.0	488.0	485.0	475.0	471.0	474.0	468.0	471.0	467.0
15°	511.0	501.0	493.0	483.0	472.0	467.0	460.0	450.0	446.0	447.0	448.0
17.5°	517.0	507.0	488.0	470.0	464.0	448.0	440.0	435.0	428.0	429.0	433.0
20°	527.0	512.0	485.0	466.0	437.0	426.0	416.0	410.0	404.0	395.0	391.0
22.5°	541.0	522.0	481.0	446.0	421.0	402.0	380.0	365.0	357.0	351.0	350.0
25°	559.0	537.0	482.0	437.0	397.0	369.0	350.0	324.0	305.0	303.0	306.0
27.5°	592.0	554.0	488.0	423.0	377.0	334.0	299.0	281.0	259.0	254.0	254.0
30°	624.0	581.0	484.0	411.0	343.0	295.0	248.0	214.0	202.0	193.0	192.0
32.5°	683.0	619.0	505.0	393.0	312.0	237.0	185.0	148.0	140.0	137.0	136.0
35°	737.0	671.0	507.0	370.0	266.0	184.0	133.0	108.0	103.0	100.0	99.0
37.5°	794.9	721.0	527.0	351.0	221.0	130.0	96.0	77.0	71.0	67.0	65.0
40°	728.0	661.0	518.0	319.0	164.0	83.0	60.0	42.0	36.0	36.0	36.0
42.5°	570.0	502.0	392.0	258.0	96.0	48.0	30.0	29.0	30.0	31.0	31.0
45°	505.0	416.0	240.0	137.0	40.0	27.0	24.0	23.0	26.0	29.0	30.0
47.5°	594.0	495.0	185.0	96.0	43.0	27.0	22.0	22.0	21.0	19.0	19.0
50°	802.9	668.0	212.0	110.0	54.0	30.0	22.0	19.0	19.0	20.0	21.0
52.5°	905.9	744.0	250.0	143.0	79.0	41.0	24.0	19.0	17.0	14.0	14.0
55°	994.9	803.9	296.0	185.0	116.0	64.0	34.0	20.0	17.0	14.0	13.0
57.5°	1023.9	810.9	345.0	233.0	158.0	100.0	59.0	28.0	18.0	15.0	14.0
60°	1027.9	818.9	382.0	284.0	206.0	146.0	97.0	51.0	23.0	18.0	17.0
62.5°	1032.9	820.9	410.0	321.0	254.0	198.0	140.0	81.0	35.0	21.0	20.0
65°	1014.9	796.9	403.0	313.0	268.0	219.0	161.0	95.0	40.0	24.0	23.0
67.5°	984.9	775.9	374.0	288.0	242.0	191.0	138.0	77.0	37.0	28.0	27.0
70°	960.9	755.0	359.0	286.0	224.0	167.0	111.0	56.0	44.0	38.0	36.0
72.5°	901.9	705.0	347.0	285.0	224.0	163.0	108.0	60.0	60.0	61.0	57.0
75°	802.9	630.0	329.0	277.0	219.0	162.0	104.0	65.0	65.0	58.0	55.0
77.5°	663.0	516.0	291.0	253.0	199.0	143.0	85.0	54.0	52.0	45.0	43.0
80°	439.0	370.0	232.0	209.0	164.0	115.0	63.0	42.0	39.0	33.0	31.0
82.5°	197.0	177.0	147.0	148.0	118.0	82.0	43.0	29.0	27.0	22.0	21.0
85°	108.0	102.0	80.0	70.0	60.0	43.0	25.0	19.0	16.0	12.0	12.0
87.5°	82.0	79.0	59.0	46.0	35.0	25.0	16.0	12.0	9.0	6.0	5.0
90°	75.0	71.0	48.0	37.0	28.0	20.0	13.0	8.0	6.0	4.0	3.0
92.5°	63.0	60.0	39.0	31.0	24.0	18.0	11.0	6.0	4.0	2.0	2.0
95°	46.0	45.0	29.0	24.0	19.0	15.0	9.0	5.0	3.0	2.0	1.0
97.5°	31.0	30.0	21.0	18.0	15.0	11.0	7.0	4.0	2.0	1.0	1.0
100°	19.0	19.0	13.0	12.0	10.0	8.0	5.0	3.0	2.0	1.0	1.0
102.5°	10.0	9.0	7.0	7.0	6.0	5.0	4.0	2.0	1.0	0.0	0.0
105°	6.0	5.0	5.0	4.0	4.0	3.0	3.0	2.0	1.0	0.0	0.0
107.5°	5.0	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
110°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
115°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
117.5°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
120°	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
122.5°	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
125°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)