

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: P691068

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2901 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 23.2
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



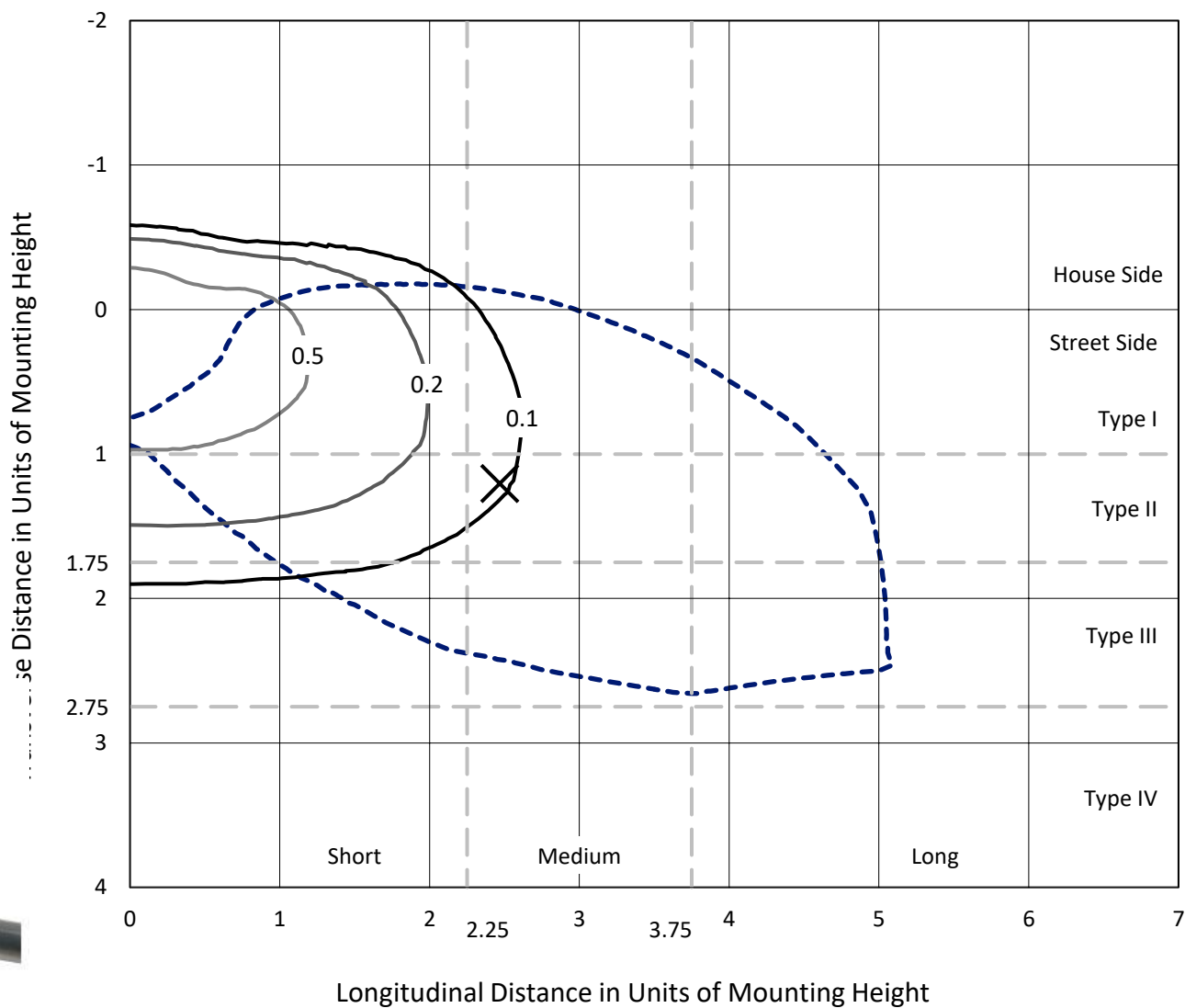
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

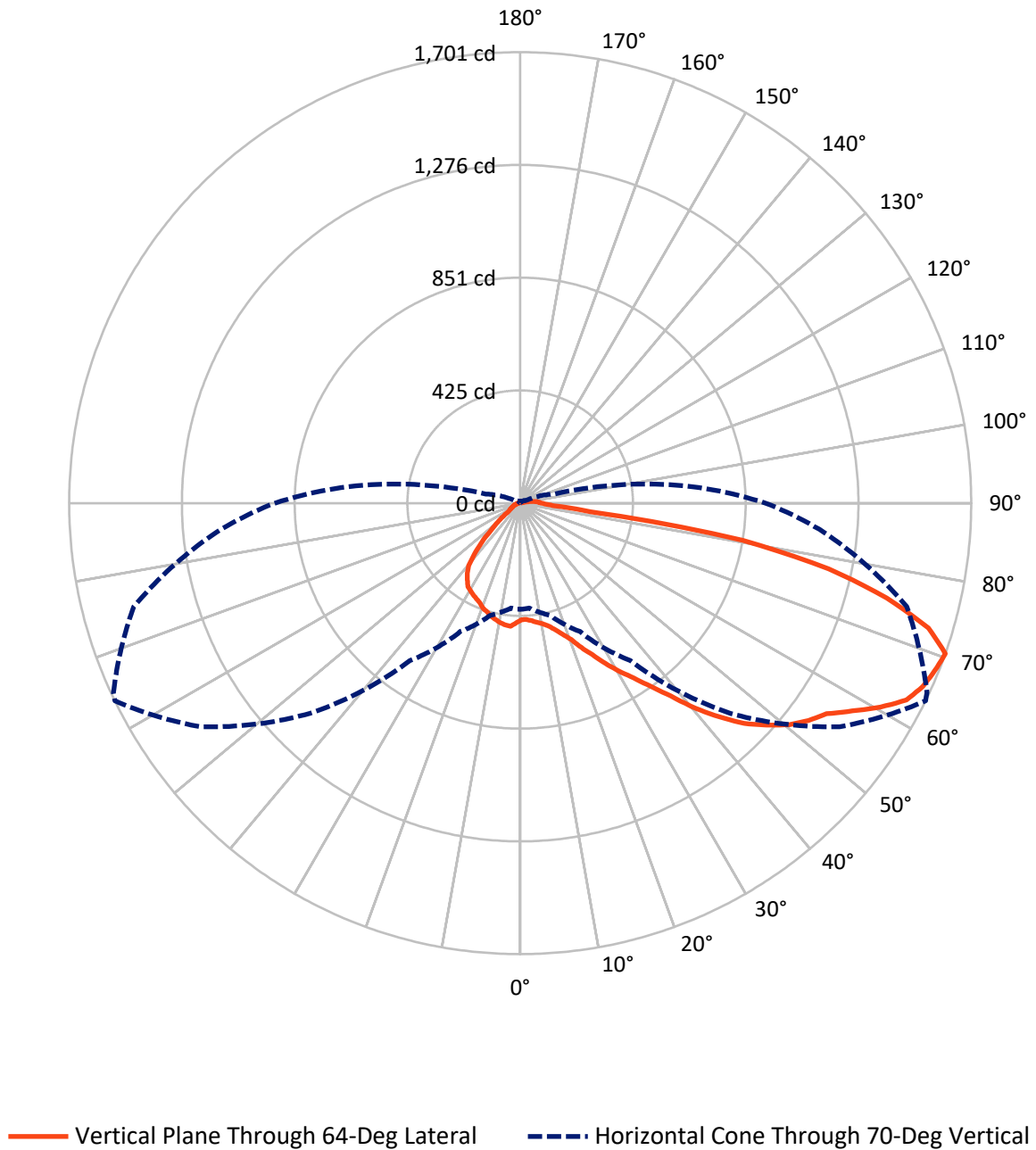


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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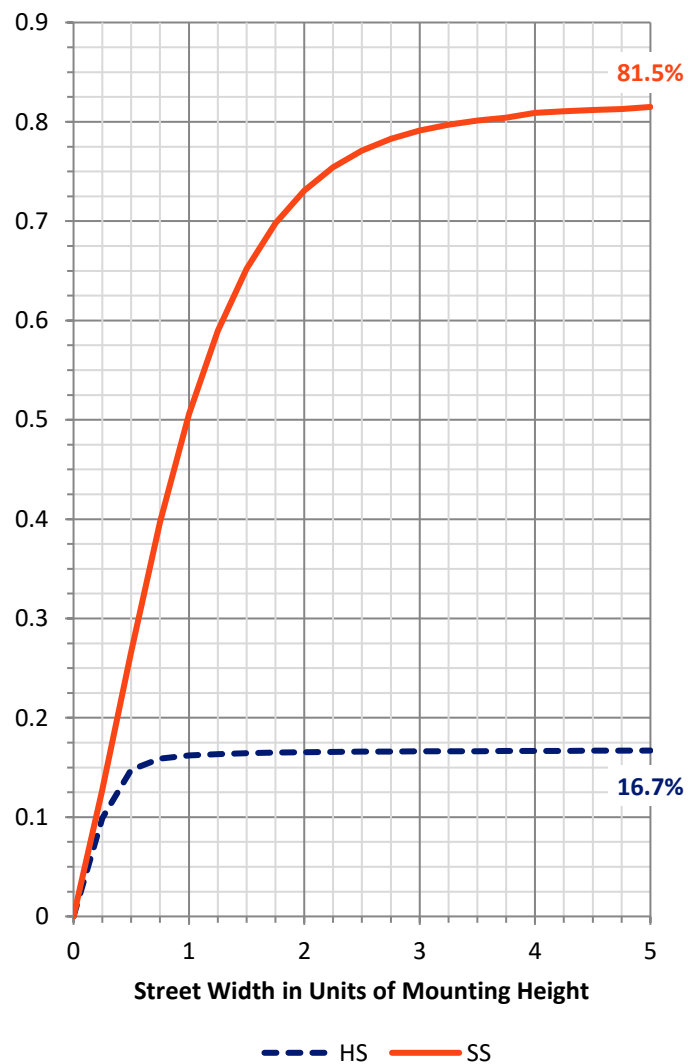
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.0	5.9	497.9
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2378.6	24.4	2403.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	2870.6	30.4	2901.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.5
10°-20°	133.7	4.6
20°-30°	231.1	8.0
30°-40°	343.0	11.8
40°-50°	471.1	16.2
50°-60°	572.1	19.7
60°-70°	607.8	21.0
70°-80°	401.6	13.8
80°-90°	66.5	2.3
90°-100°	24.8	0.9
100°-110°	4.2	0.1
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2870.6	99.0
0°-180°	2901.0	100.0

Coefficient of Utilization



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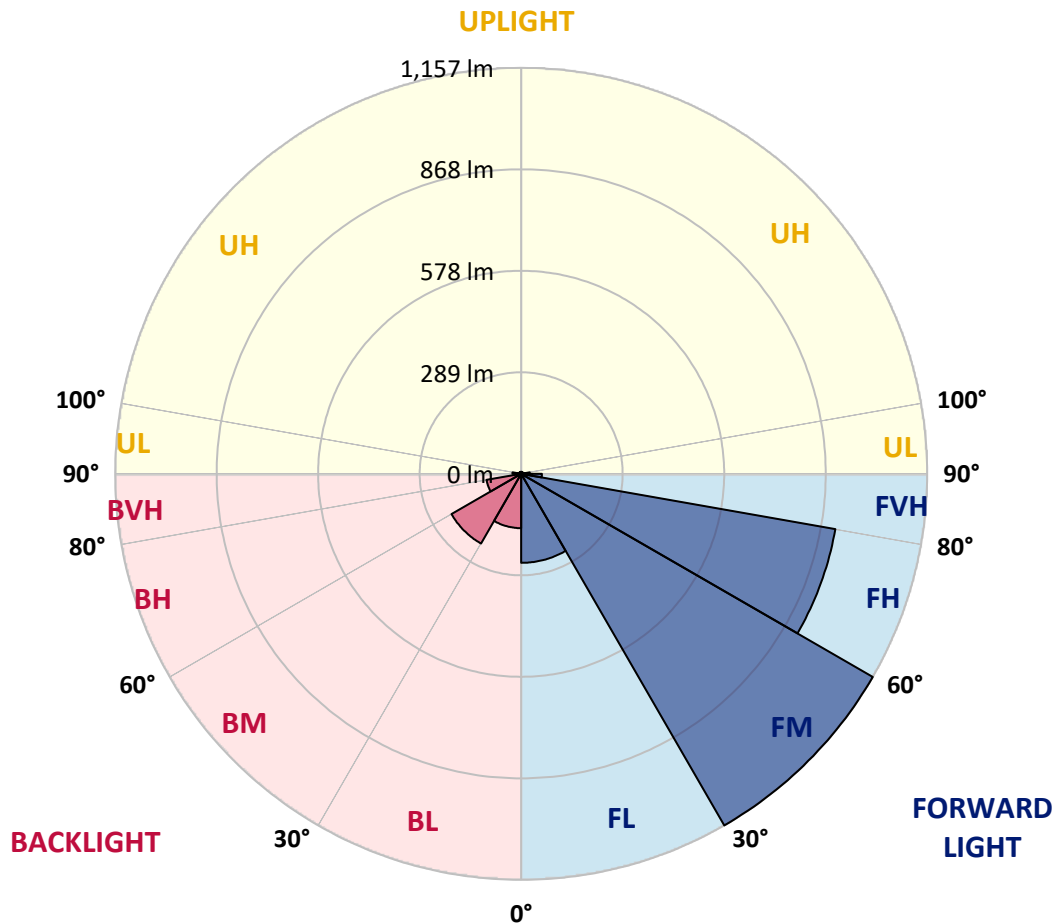
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.6	8.7			
FM	(30°-60°)	1156.9	39.9			
FH	(60°-80°)	909.1	31.3			G1/1800
FVH	(80°-90°)	59.0	2.0			G1/100
BL	(0°-30°)	154.9	5.3	B1/500		
BM	(30°-60°)	229.3	7.9	B1/1000		
BH	(60°-80°)	100.3	3.5	B0/110		G0/110
BVH	(80°-90°)	7.5	0.3			G0/10
UL	(90°-100°)	24.8	0.9		U2/50	
UH	(100°-180°)	5.6	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1
2.5°	443.2	442.1	443.2	442.1	441.1	440.1	439.0	439.0	438.0	439.0	440.1
5°	462.9	463.9	461.9	457.7	452.5	448.4	446.3	445.3	445.3	446.3	450.4
7.5°	477.4	476.4	475.4	474.3	470.2	460.8	455.6	453.6	453.6	451.5	458.7
10°	503.4	501.3	496.1	489.9	485.7	475.4	466.0	462.9	461.9	462.9	469.1
12.5°	531.4	529.3	528.3	522.1	507.5	498.2	482.6	475.4	475.4	475.4	478.5
15°	571.9	568.8	558.4	551.1	538.7	523.1	505.5	495.1	495.1	497.2	488.8
17.5°	600.9	598.9	597.8	585.4	575.0	551.1	537.6	520.0	520.0	524.1	506.5
20°	631.0	629.0	630.0	627.9	612.4	593.7	569.8	549.0	549.0	550.1	525.2
22.5°	671.5	668.4	668.4	667.4	659.1	637.3	609.2	591.6	588.5	580.2	549.0
25°	712.0	711.0	708.9	709.9	707.8	682.9	652.8	633.1	633.1	621.7	581.2
27.5°	752.5	752.5	751.4	752.5	751.4	735.9	705.8	685.0	686.0	671.5	616.5
30°	781.5	780.5	787.8	790.9	793.0	786.7	757.7	734.8	736.9	722.4	658.0
32.5°	808.5	807.5	819.9	827.2	829.3	828.2	804.4	785.7	790.9	777.4	707.8
35°	833.4	832.4	849.0	867.7	876.0	873.9	858.3	848.0	853.1	852.1	775.3
37.5°	852.1	855.2	877.0	903.0	917.5	918.5	911.3	922.7	928.9	949.7	859.4
40°	873.9	873.9	894.7	922.7	948.6	959.0	965.2	1017.1	1023.4	1027.5	915.4
42.5°	851.1	857.3	901.9	943.4	976.7	1000.5	1034.8	1102.2	1115.7	1084.6	983.9
45°	833.4	838.6	884.3	953.8	1001.6	1046.2	1110.5	1185.3	1195.7	1141.7	1020.2
47.5°	814.7	823.0	869.8	946.6	1025.4	1102.2	1173.9	1250.7	1260.0	1190.5	1071.1
50°	793.0	802.3	852.1	936.2	1037.9	1155.2	1230.9	1314.0	1315.0	1233.0	1099.1
52.5°	772.2	778.4	830.3	922.7	1048.3	1195.7	1284.9	1361.7	1355.5	1287.0	1129.2
55°	736.9	749.4	804.4	904.0	1053.5	1218.5	1322.3	1402.2	1406.3	1345.1	1169.7
57.5°	704.7	713.0	771.2	877.0	1049.3	1232.0	1358.6	1478.0	1486.3	1397.0	1198.8
60°	664.3	669.4	725.5	839.7	1022.3	1254.8	1439.6	1562.0	1571.4	1446.8	1210.2
62.5°	613.4	613.4	669.4	789.8	988.1	1271.4	1495.6	1634.7	1634.7	1486.3	1214.3
65°	548.0	551.1	600.9	722.4	931.0	1262.1	1512.2	1668.9	1672.0	1514.3	1212.3
67.5°	484.7	483.7	527.2	634.2	844.8	1213.3	1499.8	1686.6	1699.0	1530.9	1185.3
70°	400.6	397.5	438.0	534.5	724.4	1120.9	1470.7	1701.1	1692.8	1509.1	1132.3
72.5°	308.3	305.1	335.2	408.9	570.8	962.1	1385.6	1609.8	1595.2	1390.8	1023.4
75°	219.0	214.8	238.7	287.5	375.7	703.7	1188.4	1428.1	1411.5	1250.7	854.2
77.5°	124.5	120.4	142.2	181.6	227.3	398.6	899.9	1190.5	1213.3	1031.7	652.8
80°	55.0	52.9	62.3	87.2	127.7	189.9	489.9	851.1	819.9	703.7	371.6
82.5°	46.7	46.7	47.7	49.8	51.9	87.2	183.7	267.8	256.4	206.5	118.3
85°	40.5	39.4	41.5	43.6	44.6	57.1	106.9	128.7	126.6	114.2	82.0
87.5°	33.2	31.1	34.3	36.3	36.3	46.7	79.9	94.4	94.4	95.5	72.7
90°	29.1	29.1	27.0	27.0	28.0	33.2	61.2	77.8	79.9	98.6	84.1
92.5°	24.9	24.9	24.9	24.9	20.8	23.9	43.6	69.5	74.7	96.5	75.8
95°	23.9	22.8	23.9	21.8	20.8	21.8	33.2	61.2	67.5	85.1	66.4
97.5°	16.6	15.6	17.6	17.6	18.7	19.7	28.0	45.7	47.7	63.3	49.8
100°	11.4	10.4	10.4	10.4	13.5	13.5	22.8	28.0	29.1	40.5	33.2
102.5°	6.2	5.2	5.2	5.2	7.3	8.3	11.4	15.6	15.6	21.8	18.7
105°	2.1	2.1	3.1	3.1	3.1	4.2	4.2	5.2	5.2	6.2	8.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1	440.1
2.5°	441.1	443.2	448.4	451.5	455.6	459.8	462.9	462.9	466.0	463.9	462.9
5°	454.6	455.6	461.9	466.0	465.0	460.8	457.7	455.6	456.7	458.7	458.7
7.5°	463.9	468.1	462.9	462.9	461.9	456.7	450.4	444.2	441.1	440.1	440.1
10°	469.1	465.0	462.9	457.7	446.3	443.2	438.0	426.6	423.5	423.5	419.3
12.5°	472.2	470.2	458.7	449.4	439.0	422.4	411.0	408.9	399.6	398.6	399.6
15°	484.7	474.3	459.8	442.1	422.4	407.9	392.3	375.7	368.5	369.5	370.5
17.5°	493.0	483.7	457.7	429.7	412.0	385.1	367.4	358.1	346.7	346.7	346.7
20°	506.5	490.9	454.6	424.5	383.0	363.3	342.5	332.1	320.7	301.0	298.9
22.5°	524.1	504.4	453.6	408.9	371.6	339.4	309.3	277.1	260.5	249.1	246.0
25°	545.9	523.1	460.8	401.7	349.8	310.3	271.9	228.3	197.2	191.0	191.0
27.5°	583.3	547.0	470.2	394.4	337.3	278.2	218.0	179.6	152.6	144.3	143.2
30°	619.6	577.1	473.3	387.1	313.4	234.6	168.1	127.7	103.8	93.4	91.3
32.5°	676.7	618.6	500.3	380.9	286.5	188.9	119.4	81.0	61.2	55.0	54.0
35°	734.8	674.6	509.6	364.3	237.7	138.0	68.5	43.6	33.2	28.0	27.0
37.5°	809.6	745.2	537.6	346.7	188.9	78.9	38.4	23.9	20.8	20.8	20.8
40°	853.1	776.3	562.5	323.8	129.7	40.5	22.8	18.7	18.7	17.6	17.6
42.5°	909.2	814.7	584.3	279.2	68.5	24.9	19.7	17.6	15.6	15.6	15.6
45°	941.4	839.7	577.1	224.2	32.2	22.8	18.7	15.6	14.5	14.5	14.5
47.5°	980.8	870.8	561.5	166.1	28.0	20.8	17.6	14.5	13.5	14.5	14.5
50°	1020.2	901.9	522.1	127.7	25.9	19.7	15.6	12.5	12.5	13.5	13.5
52.5°	1040.0	923.7	475.4	88.2	25.9	18.7	14.5	12.5	11.4	11.4	11.4
55°	1062.8	928.9	435.9	58.1	24.9	17.6	13.5	10.4	10.4	9.3	9.3
57.5°	1075.3	915.4	406.9	48.8	23.9	16.6	12.5	9.3	8.3	7.3	7.3
60°	1070.1	895.7	381.9	42.6	21.8	15.6	11.4	8.3	6.2	5.2	5.2
62.5°	1059.7	879.1	336.3	37.4	20.8	13.5	9.3	7.3	5.2	4.2	4.2
65°	1048.3	834.5	283.3	32.2	18.7	12.5	8.3	6.2	4.2	3.1	3.1
67.5°	995.3	775.3	207.6	29.1	17.6	11.4	7.3	5.2	4.2	3.1	3.1
70°	925.8	676.7	133.9	24.9	15.6	10.4	7.3	4.2	3.1	2.1	2.1
72.5°	787.8	552.2	67.5	21.8	14.5	10.4	6.2	4.2	3.1	2.1	1.0
75°	643.5	412.0	43.6	18.7	13.5	10.4	6.2	4.2	2.1	1.0	1.0
77.5°	460.8	223.1	33.2	16.6	11.4	10.4	5.2	3.1	2.1	2.1	1.0
80°	192.0	81.0	27.0	13.5	10.4	9.3	5.2	3.1	2.1	2.1	1.0
82.5°	81.0	56.0	23.9	11.4	9.3	9.3	4.2	3.1	2.1	2.1	2.1
85°	63.3	46.7	20.8	10.4	8.3	10.4	4.2	3.1	3.1	3.1	3.1
87.5°	59.2	47.7	18.7	9.3	8.3	7.3	4.2	3.1	5.2	5.2	6.2
90°	66.4	49.8	14.5	8.3	7.3	6.2	3.1	2.1	2.1	0.0	0.0
92.5°	61.2	45.7	10.4	6.2	9.3	4.2	2.1	0.0	0.0	0.0	0.0
95°	52.9	38.4	6.2	4.2	10.4	5.2	1.0	0.0	0.0	0.0	0.0
97.5°	39.4	28.0	4.2	2.1	8.3	6.2	1.0	0.0	0.0	0.0	0.0
100°	28.0	17.6	3.1	2.1	5.2	6.2	1.0	0.0	0.0	0.0	0.0
102.5°	15.6	9.3	2.1	1.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0
105°	7.3	3.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	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°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	1.0	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)