

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: P690917

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5060 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 60
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

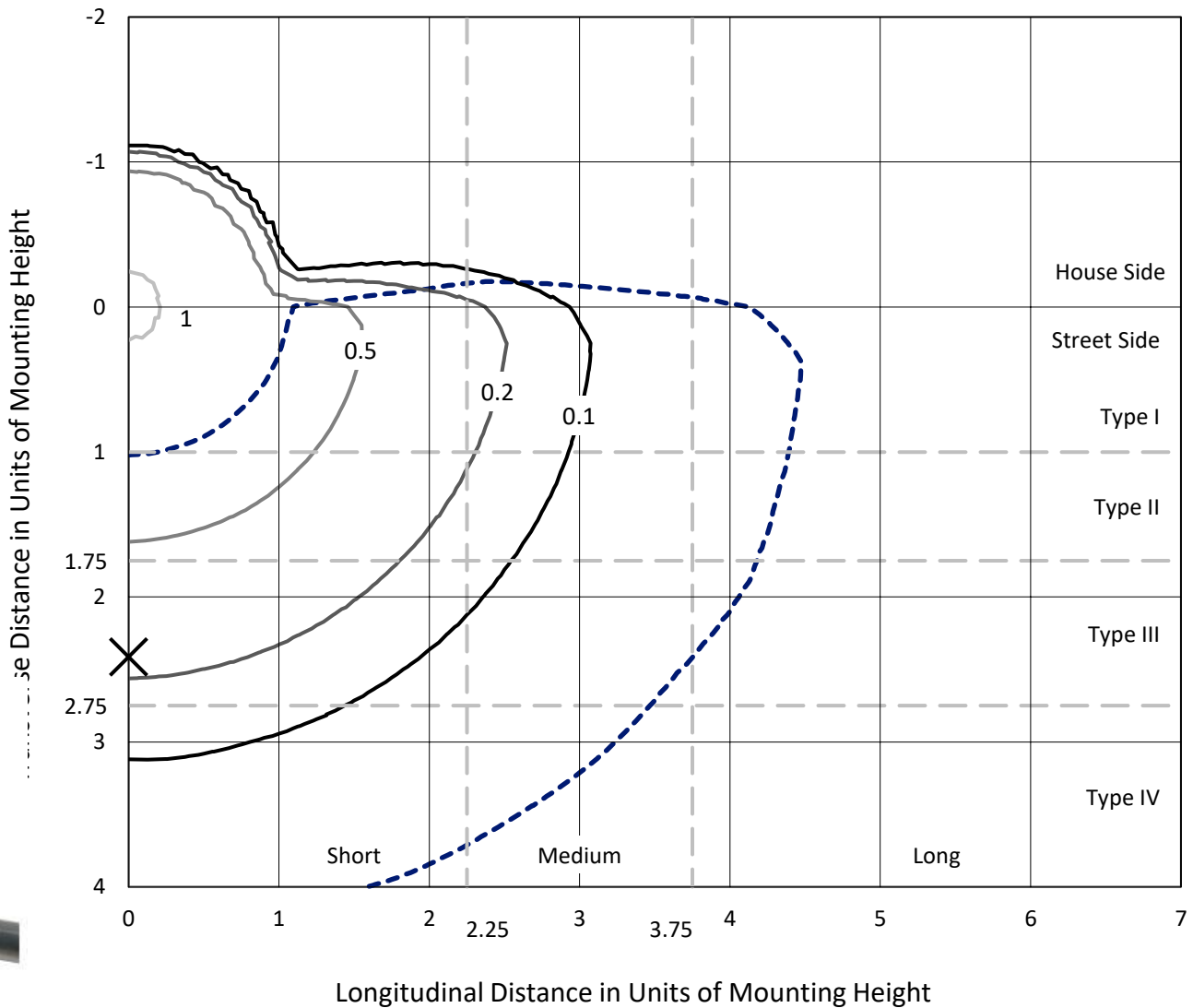


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

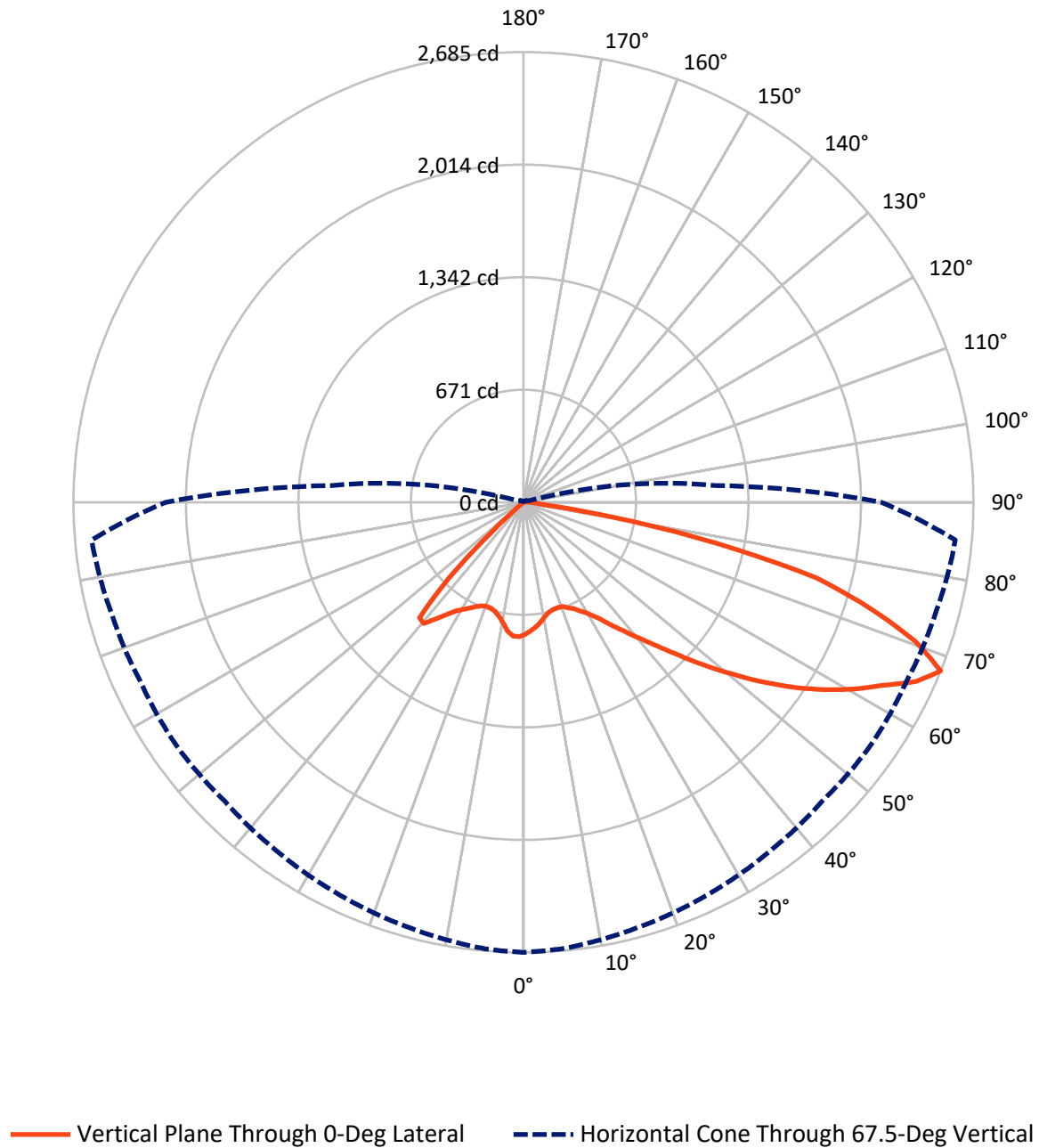


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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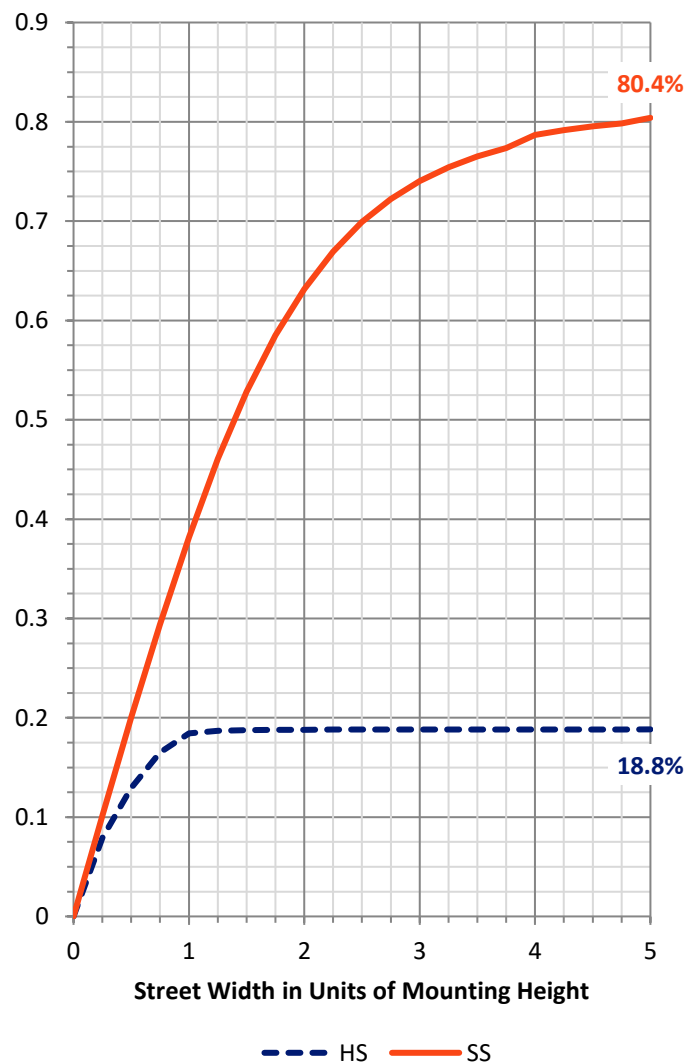
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.3	1.8	960.0
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4088.4	11.5	4099.9
	% Fixture	80.8	0.2	81.0
Total	Lumens	5046.7	13.3	5060.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.4
10°-20°	185.7	3.7
20°-30°	318.5	6.3
30°-40°	538.6	10.6
40°-50°	718.7	14.2
50°-60°	912.5	18.0
60°-70°	1277.9	25.3
70°-80°	925.5	18.3
80°-90°	98.6	1.9
90°-100°	11.1	0.2
100°-110°	1.1	0.0
110°-120°	0.4	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	5046.7	99.7
0°-180°	5060.0	100.0

Coefficient of Utilization



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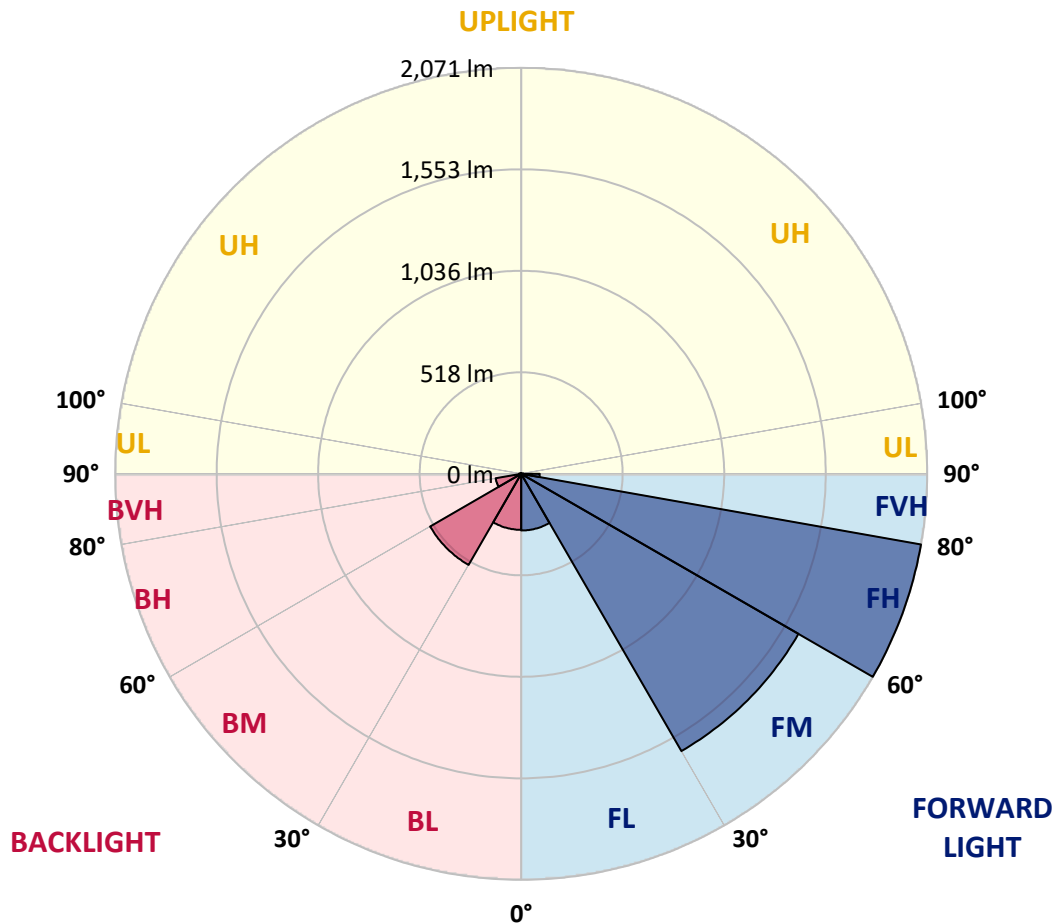
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.2	5.7			
FM	(30°-60°)	1633.2	32.3			
FH	(60°-80°)	2071.1	40.9			G2/5000
FVH	(80°-90°)	94.9	1.9			G1/100
BL	(0°-30°)	285.7	5.6	B1/500		
BM	(30°-60°)	536.6	10.6	B1/1000		
BH	(60°-80°)	132.3	2.6	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	11.1	0.2		U2/50	
UH	(100°-180°)	2.2	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5
2.5°	769.3	771.8	771.8	771.8	774.4	771.8	771.8	771.8	771.8	774.4	774.4
5°	749.0	749.0	749.0	751.6	751.6	749.0	746.5	749.0	749.0	751.6	751.6
7.5°	723.7	723.7	723.7	726.3	723.7	718.7	713.6	716.2	713.6	716.2	718.7
10°	693.4	695.9	695.9	693.4	690.8	683.3	675.7	678.2	675.7	678.2	678.2
12.5°	673.1	675.7	675.7	673.1	665.5	660.5	655.4	650.4	647.8	652.9	650.4
15°	663.0	665.5	665.5	663.0	657.9	652.9	642.8	640.2	635.2	632.6	635.2
17.5°	660.5	660.5	660.5	657.9	652.9	645.3	640.2	635.2	632.6	632.6	630.1
20°	663.0	668.1	665.5	663.0	657.9	652.9	645.3	637.7	637.7	637.7	635.2
22.5°	683.3	683.3	680.7	680.7	675.7	668.1	660.5	655.4	650.4	650.4	650.4
25°	703.5	706.0	706.0	703.5	695.9	685.8	683.3	675.7	673.1	670.6	668.1
27.5°	736.4	733.9	736.4	736.4	726.3	721.2	713.6	708.6	706.0	701.0	698.4
30°	774.4	774.4	774.4	774.4	766.8	756.6	751.6	744.0	736.4	736.4	731.3
32.5°	825.0	827.5	827.5	825.0	817.4	807.3	802.2	792.1	789.5	784.5	779.4
35°	895.8	895.8	895.8	890.8	880.6	873.0	868.0	860.4	857.9	850.3	837.6
37.5°	974.3	974.3	979.3	974.3	964.1	954.0	946.4	941.4	933.8	928.7	921.1
40°	1065.4	1065.4	1067.9	1060.3	1050.2	1045.1	1037.5	1027.4	1022.4	1019.8	1004.6
42.5°	1171.7	1176.7	1176.7	1169.1	1161.5	1153.9	1143.8	1136.2	1131.2	1121.0	1100.8
45°	1300.7	1298.2	1303.2	1295.7	1290.6	1288.1	1272.9	1255.2	1257.7	1234.9	1212.1
47.5°	1452.5	1455.1	1452.5	1445.0	1439.9	1437.4	1422.2	1399.4	1389.3	1371.6	1328.6
50°	1606.9	1609.4	1606.9	1601.9	1606.9	1591.7	1574.0	1553.8	1551.2	1528.5	1462.7
52.5°	1776.5	1768.9	1766.3	1763.8	1758.7	1751.2	1733.4	1710.7	1713.2	1687.9	1584.1
55°	1946.0	1938.4	1925.8	1920.7	1915.6	1903.0	1887.8	1880.2	1877.7	1852.4	1713.2
57.5°	2108.0	2095.3	2077.6	2075.1	2067.5	2049.8	2042.2	2029.5	2029.5	2001.7	1806.8
60°	2262.3	2247.1	2226.9	2216.8	2204.1	2188.9	2186.4	2178.8	2181.4	2166.2	1908.1
62.5°	2404.0	2391.4	2366.1	2350.9	2330.7	2318.0	2320.5	2315.5	2325.6	2315.5	1996.6
65°	2576.1	2560.9	2530.6	2497.7	2469.8	2449.6	2442.0	2457.2	2500.2	2510.3	2115.6
67.5°	2684.9	2672.3	2626.7	2586.2	2548.3	2520.5	2528.0	2523.0	2545.8	2586.2	2135.8
70°	2480.0	2474.9	2429.3	2404.0	2376.2	2348.4	2350.9	2343.3	2361.0	2371.1	1958.7
72.5°	2163.6	2188.9	2130.7	2128.2	2110.5	2113.0	2085.2	2105.4	2092.8	2092.8	1733.4
75°	1809.4	1756.2	1738.5	1781.5	1756.2	1758.7	1753.7	1776.5	1773.9	1776.5	1508.2
77.5°	1186.8	1197.0	1174.2	1219.7	1242.5	1280.5	1298.2	1358.9	1336.1	1331.1	1194.4
80°	531.4	544.1	546.6	589.6	617.5	655.4	642.8	685.8	657.9	612.4	584.6
82.5°	118.9	118.9	134.1	172.1	182.2	189.8	189.8	197.4	156.9	96.2	78.4
85°	81.0	78.4	106.3	144.2	151.8	146.8	141.7	131.6	91.1	27.8	22.8
87.5°	53.1	55.7	86.0	118.9	124.0	116.4	108.8	98.7	65.8	7.6	5.1
90°	35.4	40.5	65.8	91.1	91.1	86.0	78.4	65.8	40.5	2.5	2.5
92.5°	17.7	20.2	32.9	40.5	38.0	32.9	30.4	25.3	15.2	2.5	2.5
95°	10.1	10.1	15.2	15.2	15.2	12.7	12.7	10.1	5.1	2.5	2.5
97.5°	7.6	7.6	10.1	10.1	7.6	7.6	7.6	5.1	2.5	2.5	2.5
100°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5
102.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
105°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.5
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	2.5	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	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
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	2.5	0.0	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.0	2.5	2.5
175°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	2.5	2.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5
2.5°	776.9	779.4	781.9	787.0	787.0	794.6	797.1	799.7	802.2	802.2
5°	756.6	759.2	766.8	771.8	779.4	784.5	792.1	794.6	797.1	799.7
7.5°	718.7	723.7	731.3	733.9	744.0	751.6	759.2	766.8	769.3	774.4
10°	680.7	683.3	685.8	693.4	698.4	708.6	718.7	723.7	728.8	728.8
12.5°	652.9	655.4	657.9	660.5	668.1	673.1	683.3	688.3	690.8	695.9
15°	635.2	635.2	640.2	640.2	645.3	652.9	657.9	665.5	668.1	673.1
17.5°	630.1	630.1	632.6	635.2	640.2	642.8	647.8	655.4	657.9	660.5
20°	632.6	635.2	635.2	637.7	642.8	645.3	650.4	652.9	655.4	657.9
22.5°	645.3	642.8	645.3	645.3	647.8	652.9	657.9	663.0	665.5	665.5
25°	663.0	660.5	660.5	665.5	668.1	670.6	678.2	680.7	683.3	683.3
27.5°	693.4	690.8	693.4	693.4	695.9	695.9	703.5	703.5	706.0	708.6
30°	723.7	716.2	716.2	716.2	718.7	723.7	726.3	731.3	733.9	733.9
32.5°	769.3	754.1	751.6	754.1	754.1	756.6	764.2	761.7	766.8	764.2
35°	827.5	812.3	807.3	807.3	807.3	807.3	814.8	809.8	814.8	812.3
37.5°	898.4	878.1	875.6	875.6	870.5	873.0	875.6	870.5	868.0	870.5
40°	974.3	938.8	936.3	938.8	938.8	938.8	938.8	936.3	933.8	936.3
42.5°	938.8	797.1	814.8	840.2	865.5	895.8	903.4	923.7	926.2	926.2
45°	819.9	460.6	485.9	523.8	539.0	549.1	577.0	620.0	632.6	635.2
47.5°	723.7	154.4	164.5	179.7	205.0	217.6	220.2	250.5	263.2	237.9
50°	716.2	35.4	25.3	25.3	27.8	22.8	22.8	25.3	25.3	25.3
52.5°	781.9	32.9	22.8	20.2	20.2	20.2	17.7	20.2	20.2	20.2
55°	850.3	32.9	22.8	20.2	20.2	20.2	17.7	17.7	17.7	17.7
57.5°	905.9	32.9	22.8	20.2	20.2	17.7	15.2	15.2	15.2	15.2
60°	971.7	32.9	22.8	20.2	20.2	15.2	12.7	12.7	12.7	12.7
62.5°	1027.4	35.4	22.8	20.2	17.7	12.7	12.7	12.7	12.7	12.7
65°	1108.4	35.4	22.8	17.7	12.7	10.1	10.1	10.1	10.1	10.1
67.5°	1146.3	35.4	20.2	15.2	10.1	7.6	7.6	7.6	7.6	7.6
70°	1032.5	27.8	15.2	10.1	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	883.2	20.2	10.1	7.6	5.1	5.1	5.1	5.1	5.1	2.5
75°	703.5	12.7	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
77.5°	493.5	10.1	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
80°	205.0	7.6	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.4	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	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°
112.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	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
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.5	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
145°	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
150°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	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
157.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	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

(END OF REPORT)