

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: P691536

Luminaire Tested: **CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3891 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 41.6
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

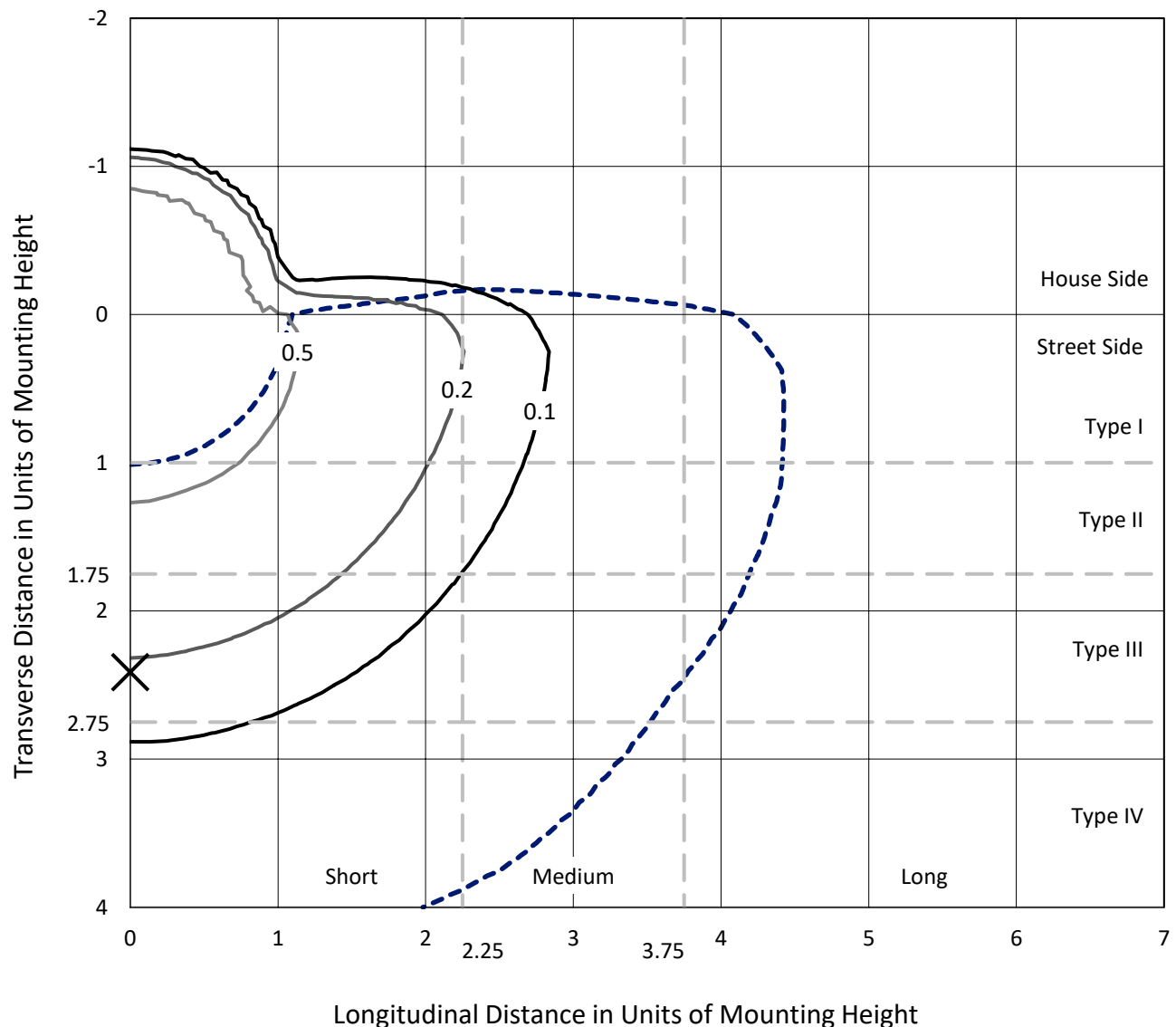


REPORT NUMBER: P691536

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

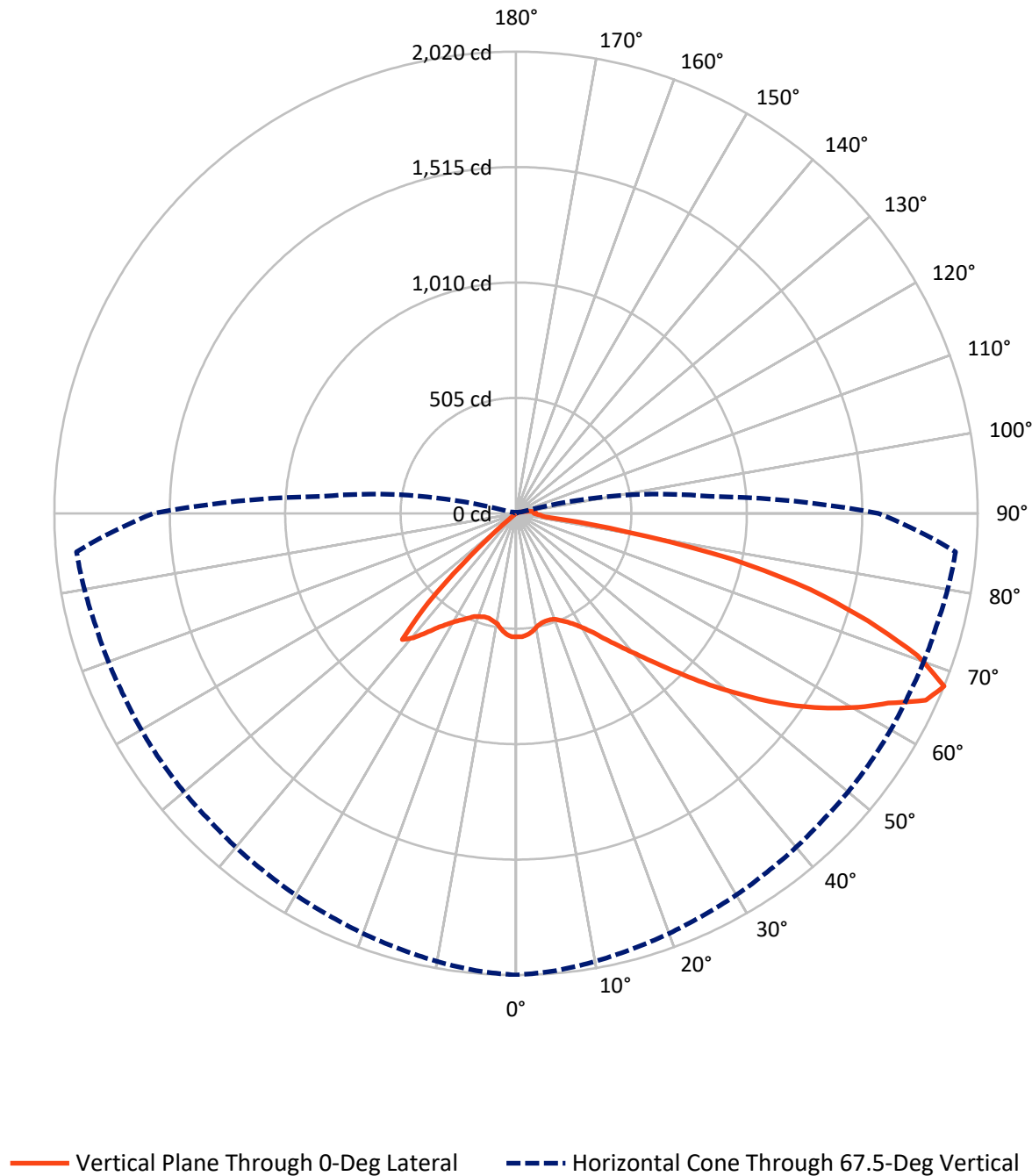


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P691536

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691536

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2

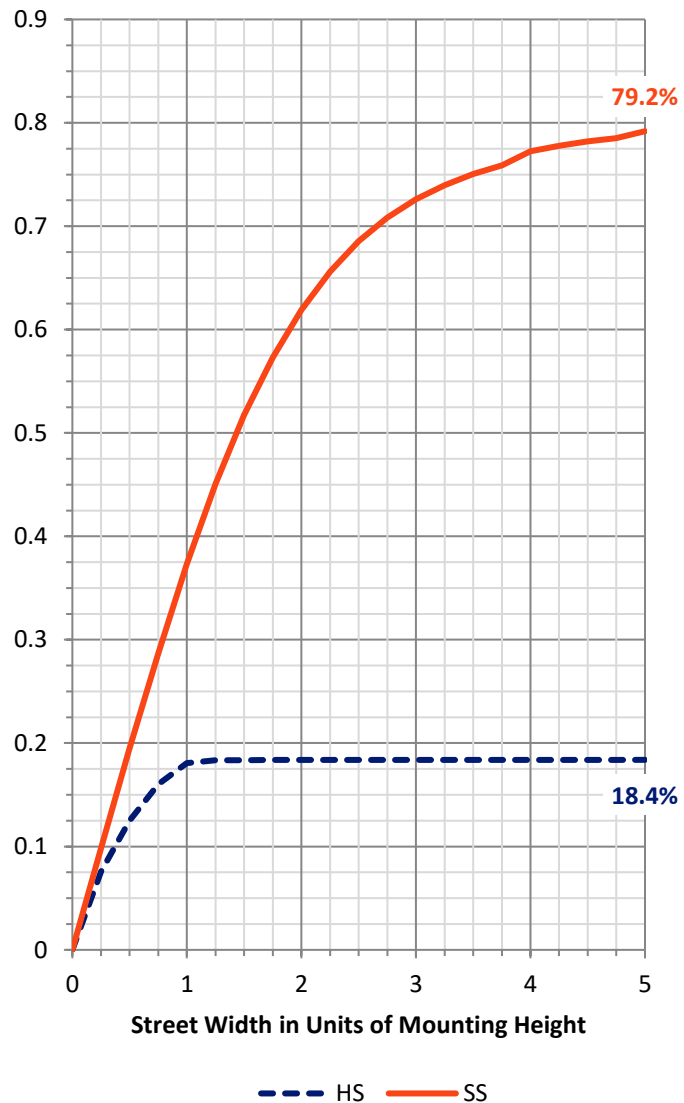
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	719.6	2.9	722.5
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3114.4	54.1	3168.5
	% Fixture	80.0	1.4	81.4
Total	Lumens	3834.0	57.0	3891.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.3
10°-20°	134.4	3.5
20°-30°	236.8	6.1
30°-40°	404.7	10.4
40°-50°	556.2	14.3
50°-60°	687.4	17.7
60°-70°	960.7	24.7
70°-80°	701.7	18.0
80°-90°	103.0	2.6
90°-100°	45.4	1.2
100°-110°	10.4	0.3
110°-120°	0.6	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3834.0	98.5
0°-180°	3891.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691536

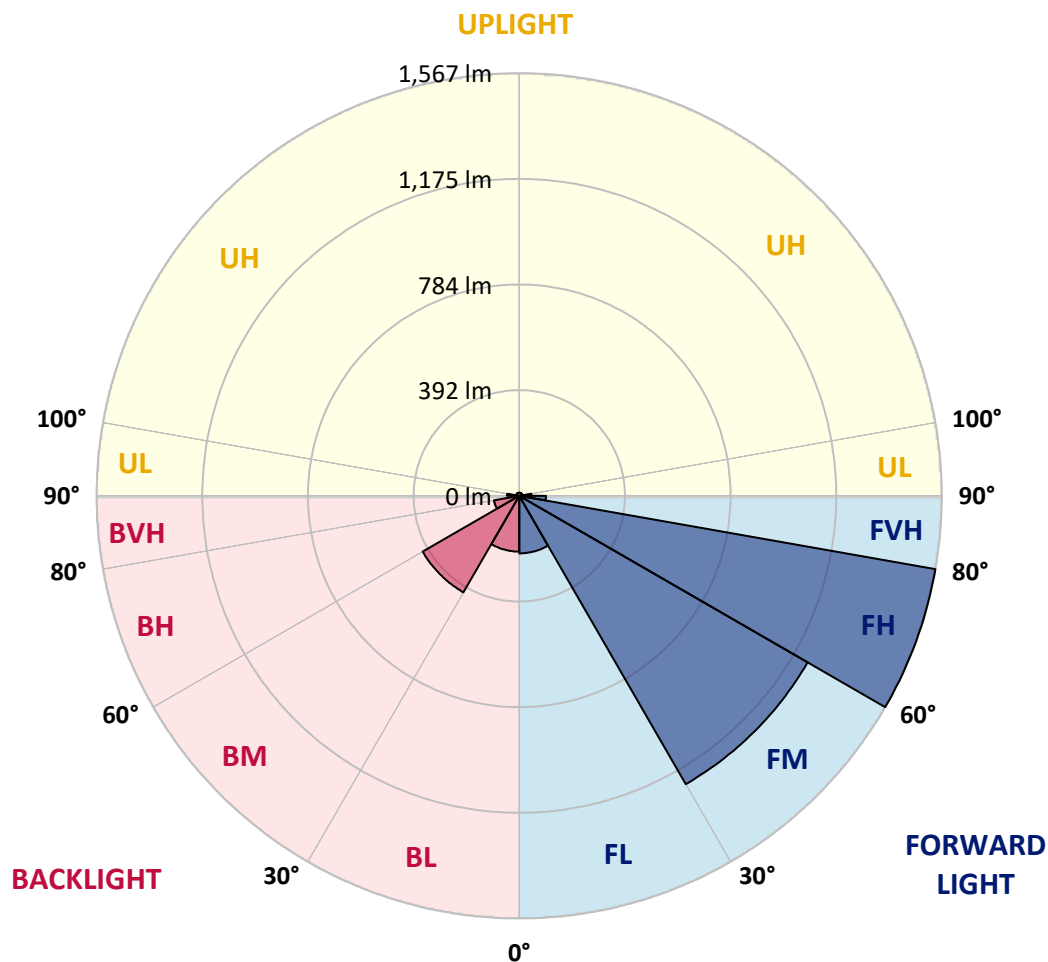
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.4	5.5			
FM	(30°-60°)	1234.8	31.7			
FH	(60°-80°)	1567.2	40.3			G1/1800
FVH	(80°-90°)	99.0	2.5			G1/100
BL	(0°-30°)	206.9	5.3	B1/500		
BM	(30°-60°)	413.5	10.6	B1/1000		
BH	(60°-80°)	95.2	2.4	B0/110		G0/110
BVH	(80°-90°)	4.0	0.1			G0/10
UL	(90°-100°)	45.4	1.2		U2/50	
UH	(100°-180°)	11.5	0.3		U2/50	

BUG Rating: B1-U2-G1

Type IV Short





REPORT NUMBER: P691536

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2
2.5°	540.2	540.2	540.2	540.2	542.1	540.2	538.3	534.5	534.5	534.5	534.5
5°	532.6	532.6	534.5	534.5	532.6	530.7	526.9	526.9	525.0	525.0	525.0
7.5°	521.2	521.2	521.2	523.1	519.3	513.6	511.7	509.8	507.8	505.9	504.0
10°	504.0	504.0	504.0	502.1	498.3	492.6	488.8	485.0	485.0	483.1	481.2
12.5°	492.6	492.6	492.6	490.7	485.0	481.2	475.5	471.7	469.8	469.8	467.9
15°	488.8	488.8	488.8	486.9	481.2	477.4	471.7	467.9	464.1	462.2	460.3
17.5°	488.8	488.8	488.8	485.0	483.1	477.4	471.7	467.9	466.0	464.1	462.2
20°	494.5	496.4	494.5	492.6	486.9	483.1	477.4	471.7	469.8	469.8	467.9
22.5°	509.8	507.8	507.8	505.9	500.2	494.5	490.7	486.9	483.1	483.1	481.2
25°	526.9	528.8	528.8	525.0	521.2	515.5	509.8	504.0	502.1	500.2	498.3
27.5°	551.6	551.6	553.5	549.7	544.0	540.2	534.5	530.7	526.9	523.1	521.2
30°	582.0	583.9	583.9	580.1	574.4	566.8	563.0	557.3	551.6	551.6	545.9
32.5°	622.0	625.8	623.9	620.1	614.4	606.8	603.0	597.2	593.4	587.7	583.9
35°	677.1	679.0	677.1	673.3	663.8	656.2	652.4	648.6	644.8	637.2	629.6
37.5°	738.0	739.9	741.8	738.0	726.6	715.2	711.4	705.7	703.8	694.2	690.4
40°	808.4	812.2	810.3	804.6	795.1	783.6	781.7	776.0	770.3	764.6	755.1
42.5°	894.0	894.0	892.1	888.3	880.7	867.3	863.5	857.8	854.0	842.6	827.4
45°	992.9	994.8	989.1	983.4	981.5	970.0	960.5	954.8	943.4	930.1	913.0
47.5°	1108.9	1107.0	1099.4	1093.7	1091.8	1082.3	1074.7	1063.2	1048.0	1032.8	1000.5
50°	1228.7	1228.7	1215.4	1209.7	1213.5	1200.2	1190.7	1177.4	1162.2	1146.9	1099.4
52.5°	1358.1	1352.4	1339.0	1340.9	1335.2	1321.9	1310.5	1301.0	1285.8	1272.5	1196.4
55°	1487.4	1479.8	1458.9	1460.8	1451.3	1436.0	1428.4	1417.0	1413.2	1398.0	1289.6
57.5°	1607.2	1597.7	1574.9	1573.0	1565.4	1548.3	1544.5	1531.2	1521.6	1514.0	1360.0
60°	1723.3	1713.7	1692.8	1685.2	1670.0	1652.9	1654.8	1647.2	1641.5	1633.9	1438.0
62.5°	1827.9	1816.5	1797.4	1782.2	1761.3	1746.1	1748.0	1744.2	1748.0	1746.1	1504.5
65°	1970.5	1959.1	1930.6	1904.0	1873.5	1850.7	1848.8	1854.5	1894.4	1898.2	1607.2
67.5°	2020.0	2008.6	1972.4	1940.1	1915.4	1898.2	1894.4	1892.5	1904.0	1930.6	1586.3
70°	1864.0	1856.4	1822.2	1799.3	1774.6	1763.2	1751.8	1757.5	1768.9	1767.0	1455.1
72.5°	1609.1	1651.0	1607.2	1586.3	1580.6	1550.2	1557.8	1552.1	1559.7	1557.8	1293.4
75°	1331.4	1320.0	1310.5	1346.7	1320.0	1297.2	1310.5	1323.8	1337.1	1321.9	1133.6
77.5°	968.1	975.8	971.9	985.3	1010.0	998.6	991.0	1023.3	1029.0	977.7	880.7
80°	486.9	517.4	526.9	549.7	563.0	538.3	517.4	563.0	555.4	496.4	447.0
82.5°	127.4	129.3	148.4	175.0	178.8	175.0	178.8	175.0	152.2	97.0	81.8
85°	106.5	106.5	131.2	159.8	165.5	157.9	157.9	148.4	117.9	60.9	49.5
87.5°	87.5	91.3	117.9	144.6	148.4	140.8	138.8	127.4	102.7	53.3	41.8
90°	78.0	81.8	106.5	129.3	131.2	123.6	121.7	114.1	93.2	53.3	41.8
92.5°	85.6	87.5	104.6	117.9	117.9	112.2	110.3	104.6	91.3	66.6	51.4
95°	76.1	78.0	85.6	91.3	89.4	83.7	87.5	81.8	76.1	62.8	47.6
97.5°	62.8	64.7	66.6	66.6	64.7	60.9	64.7	62.8	59.0	51.4	38.0
100°	47.6	47.6	47.6	49.5	47.6	45.6	47.6	43.7	41.8	36.1	26.6
102.5°	32.3	32.3	32.3	32.3	32.3	32.3	32.3	28.5	26.6	22.8	15.2
105°	19.0	19.0	17.1	19.0	19.0	17.1	17.1	15.2	11.4	9.5	5.7
107.5°	7.6	7.6	5.7	5.7	5.7	5.7	3.8	1.9	1.9	1.9	1.9
110°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.9
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	1.9	1.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2	540.2
2.5°	534.5	534.5	534.5	534.5	534.5	534.5	536.4	538.3	540.2	540.2
5°	525.0	525.0	525.0	523.1	525.0	526.9	528.8	528.8	530.7	530.7
7.5°	505.9	504.0	504.0	504.0	505.9	509.8	509.8	511.7	513.6	513.6
10°	481.2	481.2	481.2	481.2	483.1	486.9	486.9	490.7	490.7	490.7
12.5°	467.9	467.9	466.0	464.1	467.9	467.9	473.6	475.5	477.4	481.2
15°	460.3	458.4	460.3	460.3	462.2	464.1	466.0	469.8	471.7	473.6
17.5°	460.3	460.3	460.3	462.2	464.1	464.1	466.0	469.8	471.7	473.6
20°	467.9	467.9	466.0	466.0	467.9	467.9	471.7	475.5	477.4	479.3
22.5°	479.3	477.4	477.4	475.5	477.4	479.3	483.1	486.9	486.9	486.9
25°	494.5	492.6	492.6	492.6	496.4	496.4	500.2	504.0	504.0	504.0
27.5°	519.3	515.5	513.6	513.6	513.6	515.5	519.3	521.2	523.1	523.1
30°	540.2	536.4	534.5	532.6	534.5	536.4	540.2	544.0	544.0	544.0
32.5°	578.2	568.7	563.0	564.9	564.9	566.8	570.6	570.6	572.5	572.5
35°	622.0	612.5	603.0	604.9	604.9	606.8	606.8	606.8	610.6	606.8
37.5°	677.1	661.9	654.3	656.2	652.4	652.4	652.4	652.4	650.5	654.3
40°	736.1	713.3	705.7	707.6	705.7	703.8	703.8	705.7	703.8	705.7
42.5°	726.6	631.5	654.3	680.9	700.0	713.3	728.5	736.1	736.1	743.7
45°	635.3	374.7	401.3	437.5	467.9	500.2	515.5	526.9	534.5	549.7
47.5°	551.6	135.0	154.1	178.8	211.1	211.1	237.8	249.2	253.0	266.3
50°	536.4	20.9	17.1	19.0	20.9	22.8	24.7	30.4	30.4	38.0
52.5°	583.9	19.0	11.4	7.6	7.6	5.7	3.8	3.8	3.8	5.7
55°	637.2	20.9	11.4	7.6	5.7	5.7	1.9	1.9	1.9	1.9
57.5°	682.8	19.0	9.5	7.6	5.7	3.8	0.0	0.0	0.0	0.0
60°	732.3	20.9	11.4	7.6	5.7	3.8	0.0	0.0	0.0	0.0
62.5°	776.0	20.9	11.4	7.6	5.7	1.9	0.0	0.0	0.0	0.0
65°	838.8	22.8	11.4	7.6	3.8	0.0	0.0	0.0	0.0	0.0
67.5°	850.2	22.8	11.4	5.7	1.9	0.0	0.0	0.0	0.0	0.0
70°	758.9	19.0	7.6	3.8	1.9	0.0	0.0	0.0	0.0	0.0
72.5°	652.4	11.4	5.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	525.0	9.5	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	351.9	7.6	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	157.9	5.7	1.9	1.9	0.0	0.0	1.9	1.9	0.0	0.0
82.5°	34.2	3.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.8	3.8	1.9	1.9	0.0	0.0	1.9	1.9	0.0	0.0
87.5°	20.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	0.0	0.0
90°	20.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	24.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	22.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	17.1	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.4	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	5.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.9	1.9	1.9	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°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.9	1.9	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
130°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.9	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°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.9	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°	1.9	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	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
155°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.9	1.9	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
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.9	1.9	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)