

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: P691539

Luminaire Tested: **CRTK2-C016-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
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-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6013 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

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

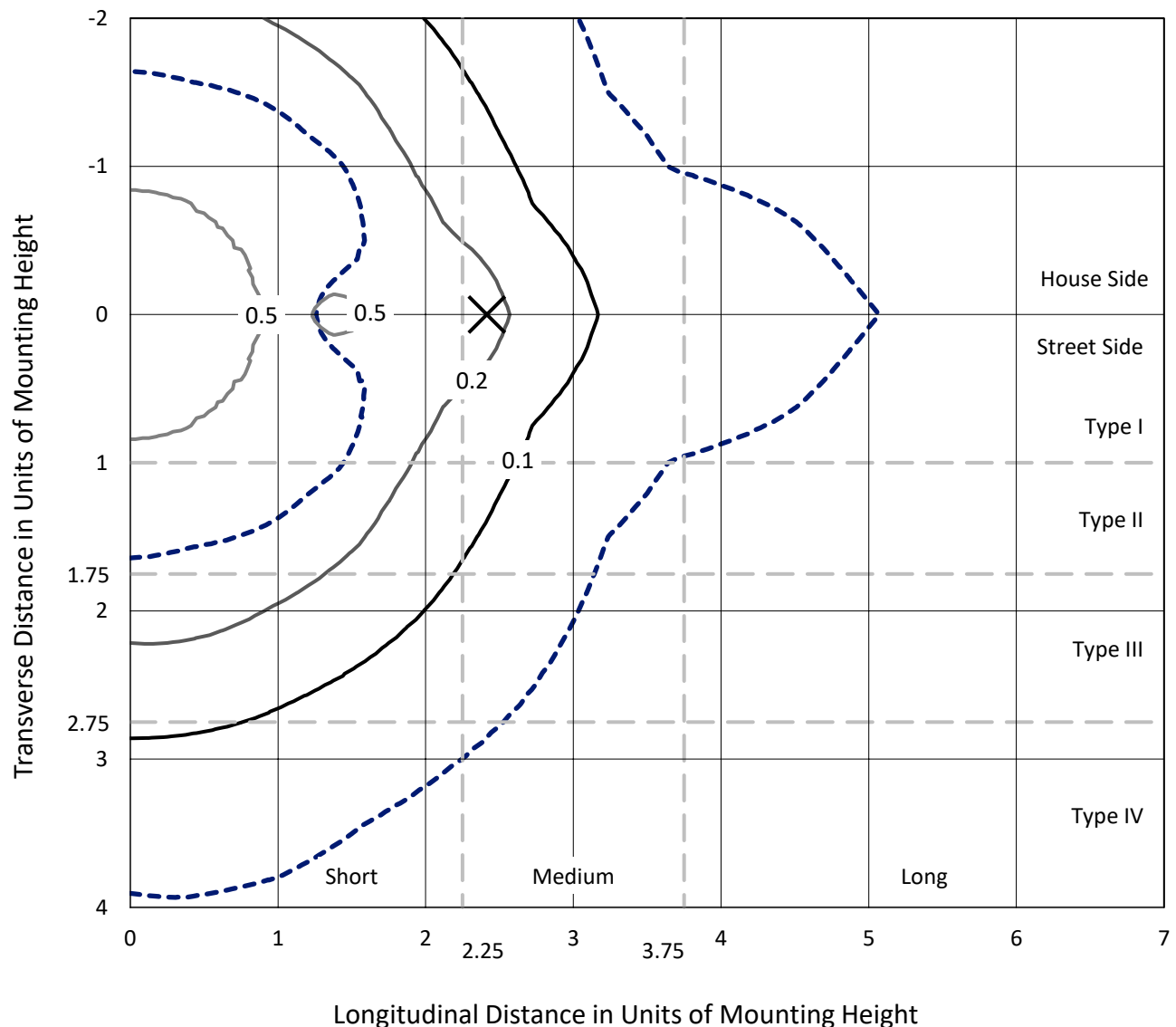


REPORT NUMBER: P691539

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

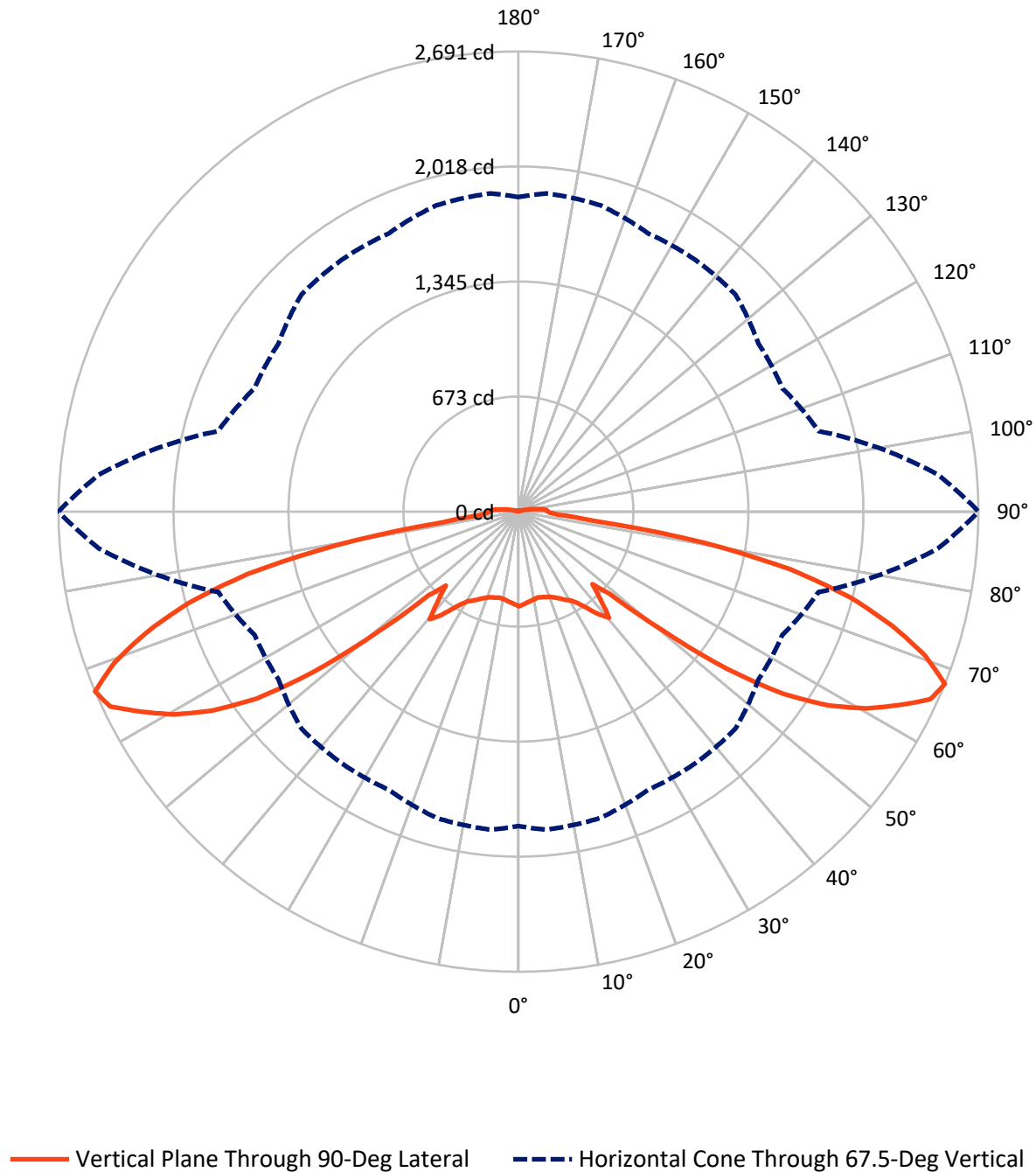


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P691539

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691539

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER

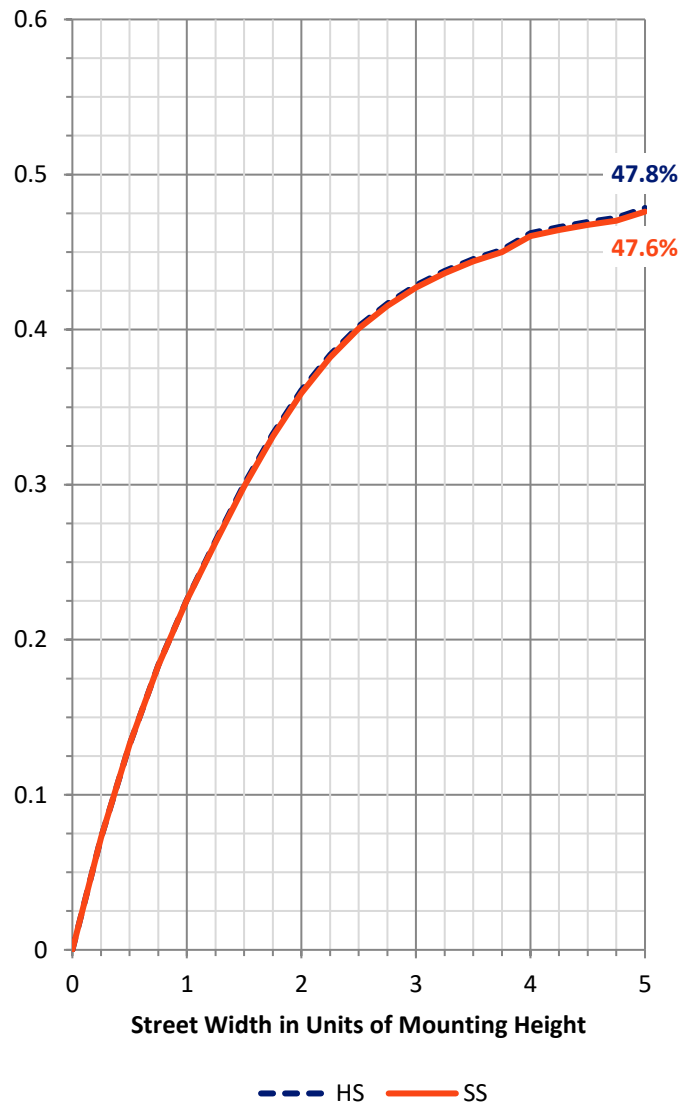
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2919.4	87.1	3006.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2919.4	87.1	3006.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	5838.8	174.2	6013.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	0.8
10°-20°	142.7	2.4
20°-30°	252.6	4.2
30°-40°	426.1	7.1
40°-50°	477.6	7.9
50°-60°	988.7	16.4
60°-70°	1740.3	28.9
70°-80°	1438.2	23.9
80°-90°	322.6	5.4
90°-100°	123.4	2.1
100°-110°	34.9	0.6
110°-120°	10.7	0.2
120°-130°	4.9	0.1
130°-140°	0.4	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°	5838.8	97.1
0°-180°	6013.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691539

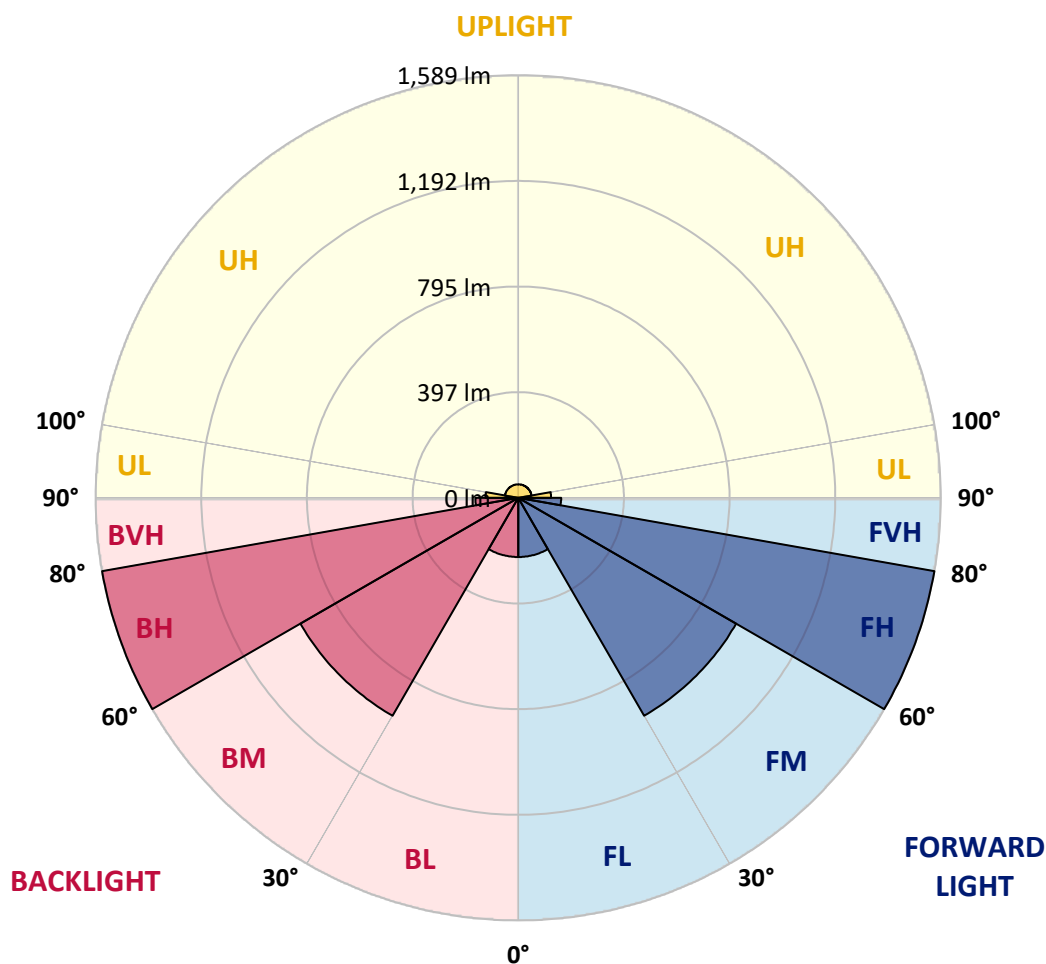
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.7	3.7			
FM	(30°-60°)	946.2	15.7			
FH	(60°-80°)	1589.2	26.4			G1/1800
FVH	(80°-90°)	161.3	2.7			G2/225
BL	(0°-30°)	222.7	3.7	B1/500		
BM	(30°-60°)	946.2	15.7	B1/1000		
BH	(60°-80°)	1589.2	26.4	B3/2500		G1/1800
BVH	(80°-90°)	161.3	2.7			G2/225
UL	(90°-100°)	123.4	2.1		U3/500	
UH	(100°-180°)	50.8	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P691539

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3
2.5°	547.6	547.6	543.8	541.9	543.8	545.7	547.6	547.6	545.7	543.8	543.8
5°	538.1	536.2	534.3	532.4	532.4	536.2	536.2	538.1	536.2	534.3	534.3
7.5°	513.4	513.4	511.5	509.6	513.4	517.2	522.9	524.8	526.7	526.7	526.7
10°	496.3	496.3	494.4	494.4	498.2	503.9	509.6	515.3	517.2	519.1	519.1
12.5°	486.8	486.8	486.8	484.9	490.6	496.3	505.8	509.6	513.4	515.3	515.3
15°	486.8	484.9	484.9	486.8	490.6	498.2	505.8	513.4	517.2	519.1	519.1
17.5°	490.6	488.7	488.7	488.7	494.4	502.0	511.5	517.2	522.9	524.8	524.8
20°	496.3	496.3	496.3	496.3	500.1	509.6	519.1	524.8	530.5	532.4	532.4
22.5°	511.5	511.5	509.6	507.7	511.5	519.1	530.5	536.2	541.9	545.7	545.7
25°	530.5	528.6	528.6	526.7	526.7	534.3	543.8	551.4	559.0	562.8	562.8
27.5°	553.3	551.4	551.4	547.6	547.6	557.1	564.7	572.3	579.9	583.7	583.7
30°	578.0	579.9	576.1	574.2	572.3	579.9	587.5	593.2	598.9	602.7	602.7
32.5°	618.0	618.0	614.2	612.3	610.4	616.1	619.9	623.7	629.4	637.0	638.9
35°	667.4	665.5	665.5	665.5	665.5	669.3	673.1	671.2	682.6	690.2	694.0
37.5°	732.0	733.9	730.1	726.3	724.4	728.2	732.0	737.8	749.2	758.7	760.6
40°	720.6	716.8	720.6	728.2	730.1	747.3	764.4	777.7	796.7	813.8	815.7
42.5°	646.5	652.2	657.9	657.9	656.0	656.0	657.9	659.8	678.8	703.5	703.5
45°	530.5	534.3	541.9	538.1	521.0	513.4	517.2	522.9	543.8	604.7	606.6
47.5°	562.8	570.4	578.0	555.2	534.3	502.0	498.2	494.4	519.1	688.3	716.8
50°	663.6	663.6	673.1	654.1	646.5	627.5	616.1	619.9	673.1	1024.9	1087.6
52.5°	863.2	859.4	882.3	859.4	851.8	811.9	768.2	791.0	846.1	1401.3	1530.6
55°	1047.7	1051.5	1074.3	1051.5	1030.6	994.4	935.5	975.4	1049.6	1698.0	1882.4
57.5°	1247.3	1253.0	1279.7	1235.9	1194.1	1175.1	1119.9	1161.8	1243.5	1890.0	2137.2
60°	1454.6	1460.3	1473.6	1418.5	1380.4	1370.9	1308.2	1353.8	1452.7	2059.2	2336.8
62.5°	1652.3	1658.0	1650.4	1597.2	1574.4	1576.3	1515.4	1547.8	1654.2	2257.0	2492.8
65°	1777.8	1802.5	1796.8	1737.9	1730.3	1737.9	1673.2	1677.1	1787.3	2411.0	2646.8
67.5°	1838.7	1867.2	1853.9	1794.9	1798.7	1794.9	1713.2	1703.7	1817.8	2464.2	2690.5
70°	1777.8	1777.8	1768.3	1717.0	1715.1	1699.9	1639.0	1623.8	1713.2	2317.8	2523.2
72.5°	1629.5	1629.5	1621.9	1563.0	1551.6	1540.1	1504.0	1477.4	1555.4	2082.1	2287.4
75°	1414.7	1431.8	1422.3	1363.3	1350.0	1342.4	1317.7	1291.1	1361.4	1831.1	2004.1
77.5°	1131.3	1150.4	1138.9	1095.2	1083.8	1087.6	1070.5	1055.3	1106.6	1467.9	1627.6
80°	758.7	775.8	754.9	733.9	716.8	733.9	726.3	718.7	747.3	935.5	1095.2
82.5°	342.3	346.1	346.1	325.1	311.8	338.5	342.3	348.0	365.1	406.9	446.8
85°	209.2	211.1	207.3	201.6	193.9	199.6	197.7	201.6	209.2	222.5	230.1
87.5°	178.7	178.7	178.7	173.0	167.3	167.3	165.4	167.3	169.2	180.6	184.4
90°	157.8	157.8	157.8	154.0	150.2	150.2	152.1	150.2	154.0	165.4	171.1
92.5°	133.1	135.0	138.8	138.8	138.8	140.7	140.7	140.7	142.6	159.7	165.4
95°	98.9	97.0	104.6	110.3	112.2	116.0	116.0	116.0	119.8	135.0	140.7
97.5°	72.3	72.3	76.1	79.9	83.7	87.5	89.4	89.4	93.2	104.6	106.5
100°	51.3	51.3	55.1	58.9	60.8	66.5	68.5	68.5	68.5	76.1	76.1
102.5°	38.0	36.1	39.9	41.8	43.7	45.6	47.5	47.5	47.5	49.4	49.4
105°	22.8	22.8	24.7	26.6	28.5	28.5	30.4	30.4	28.5	28.5	28.5
107.5°	15.2	15.2	17.1	19.0	19.0	20.9	20.9	20.9	20.9	20.9	20.9
110°	11.4	11.4	13.3	15.2	15.2	17.1	17.1	17.1	17.1	15.2	15.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.5	9.5	11.4	11.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3
115°	7.6	7.6	9.5	9.5	9.5	11.4	11.4	11.4	11.4	11.4	11.4
117.5°	5.7	5.7	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5	9.5
120°	5.7	5.7	5.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
122.5°	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
125°	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
127.5°	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7
130°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
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)