

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: P691008

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691008
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-C01-D-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8005 lumens
Efficiency: N/A
Efficacy: 131.2 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): 61
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

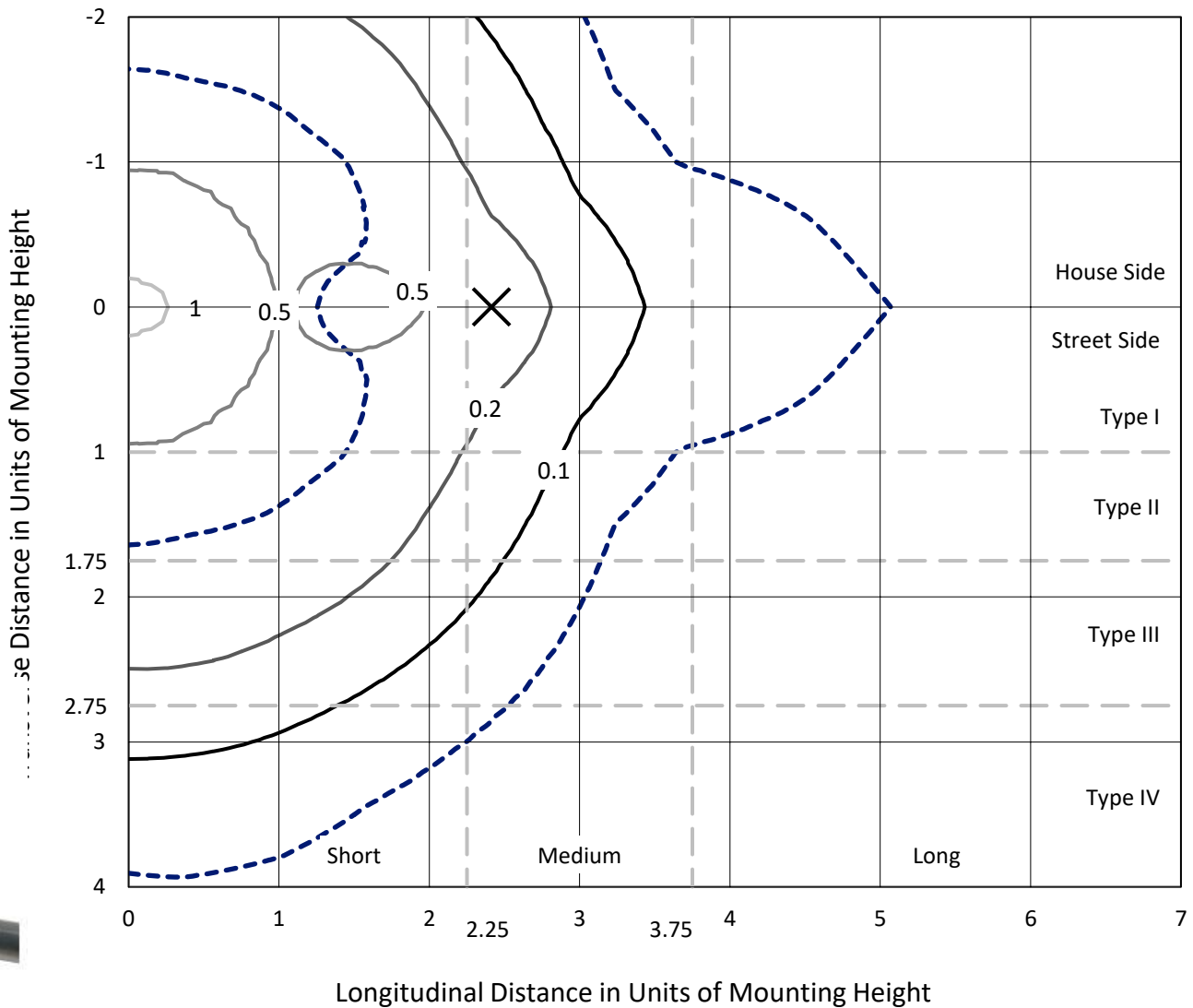


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

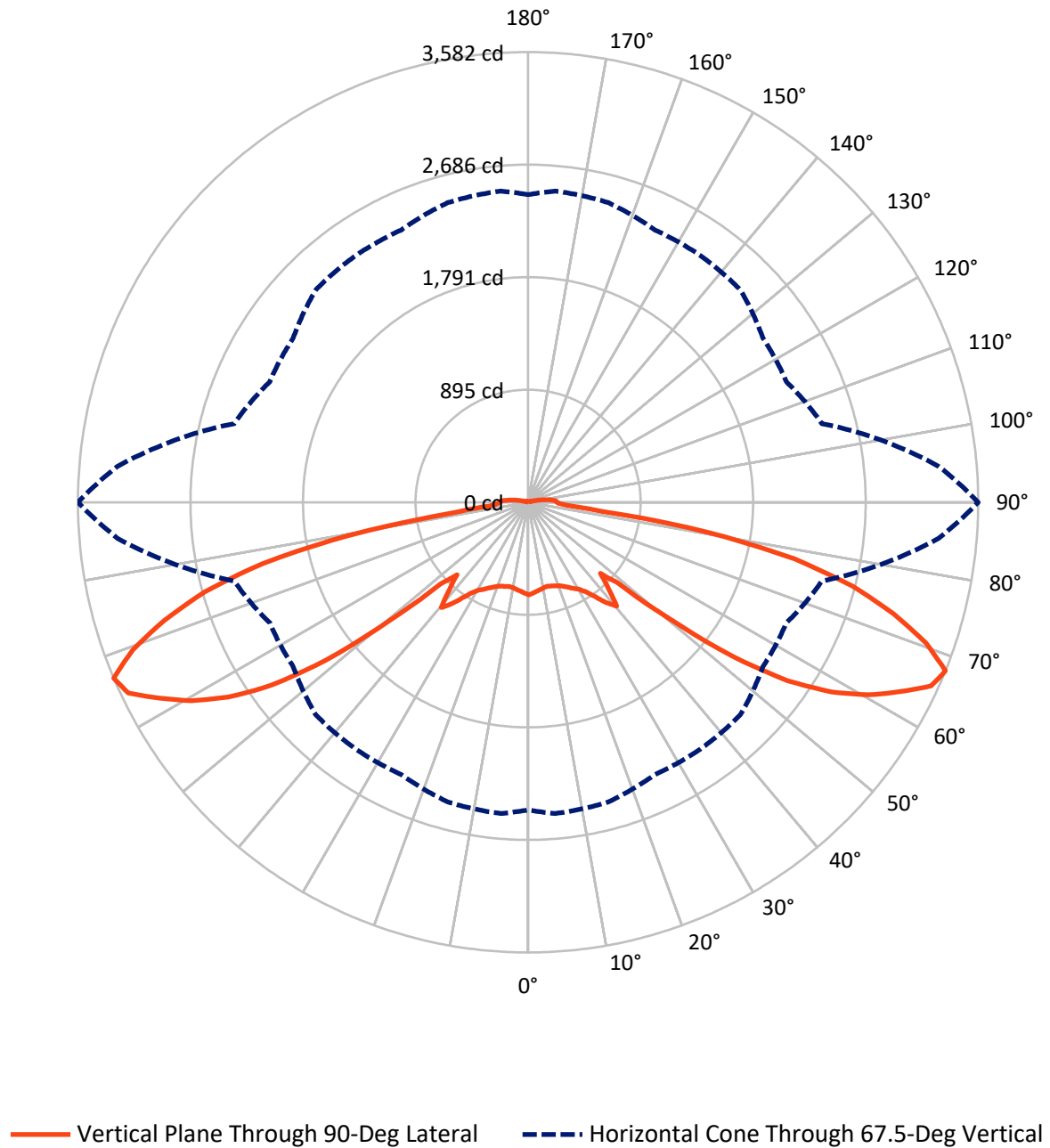


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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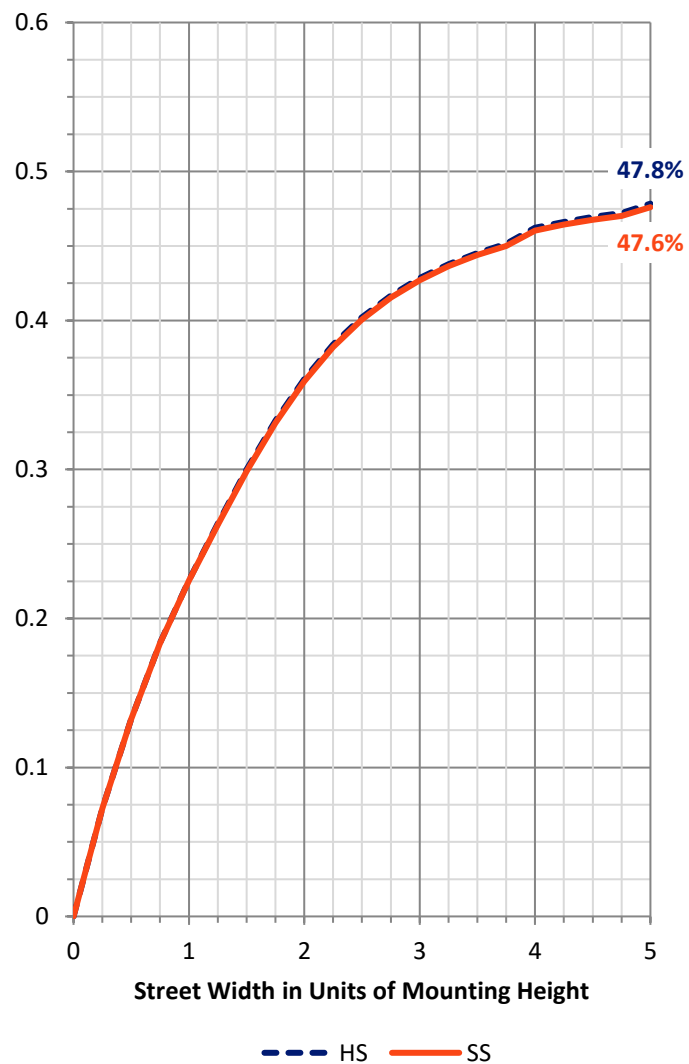
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3886.6	115.9	4002.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3886.6	115.9	4002.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	7773.1	231.9	8005.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	0.8
10°-20°	190.0	2.4
20°-30°	336.3	4.2
30°-40°	567.3	7.1
40°-50°	635.8	7.9
50°-60°	1316.3	16.4
60°-70°	2316.8	28.9
70°-80°	1914.6	23.9
80°-90°	429.5	5.4
90°-100°	164.2	2.1
100°-110°	46.4	0.6
110°-120°	14.2	0.2
120°-130°	6.5	0.1
130°-140°	0.6	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°	7773.1	97.1
0°-180°	8005.0	100.0

Coefficient of Utilization



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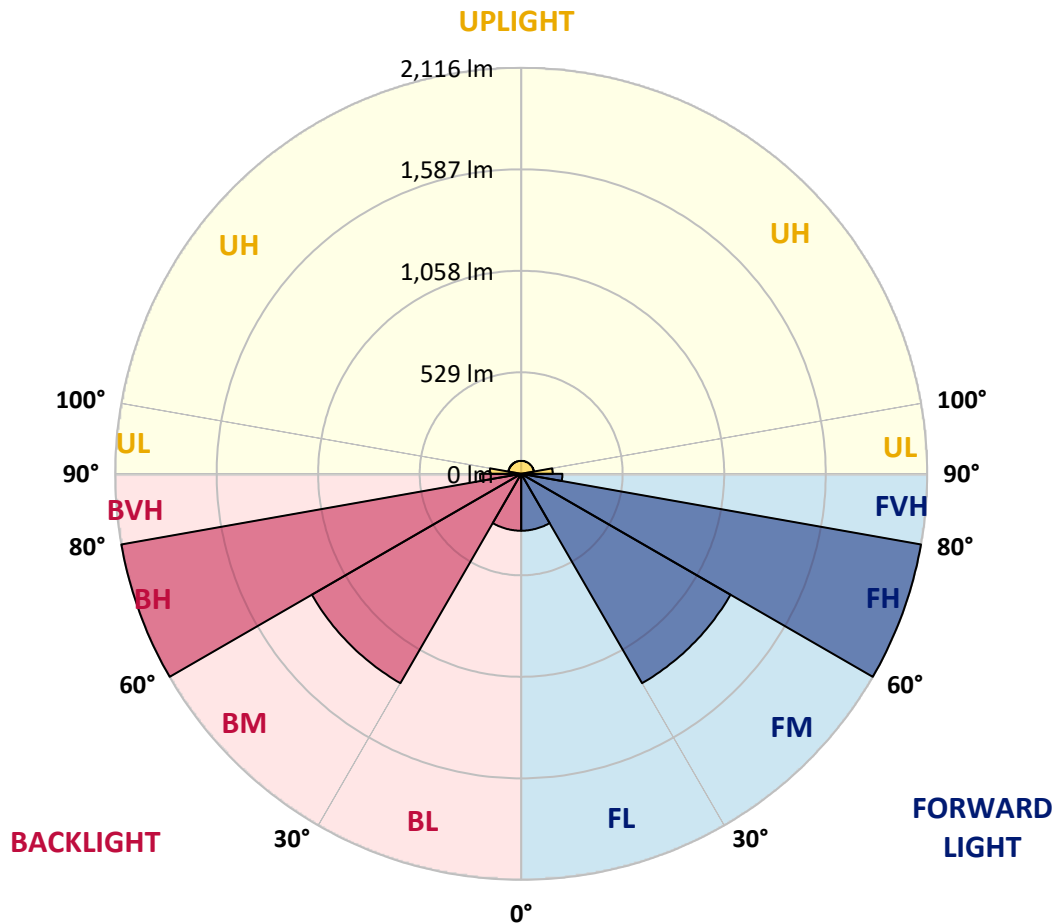
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.4	3.7			
FM	(30°-60°)	1259.7	15.7			
FH	(60°-80°)	2115.7	26.4			G2/5000
FVH	(80°-90°)	214.8	2.7			G2/225
BL	(0°-30°)	296.4	3.7	B1/500		
BM	(30°-60°)	1259.7	15.7	B2/2500		
BH	(60°-80°)	2115.7	26.4	B3/2500		G2/5000
BVH	(80°-90°)	214.8	2.7			G2/225
UL	(90°-100°)	164.2	2.1		U3/500	
UH	(100°-180°)	67.7	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6
2.5°	729.0	729.0	724.0	721.4	724.0	726.5	729.0	729.0	726.5	724.0	724.0
5°	716.4	713.8	711.3	708.8	708.8	713.8	713.8	716.4	713.8	711.3	711.3
7.5°	683.5	683.5	680.9	678.4	683.5	688.5	696.1	698.6	701.2	701.2	701.2
10°	660.7	660.7	658.1	658.1	663.2	670.8	678.4	686.0	688.5	691.1	691.1
12.5°	648.0	648.0	648.0	645.5	653.1	660.7	673.3	678.4	683.5	686.0	686.0
15°	648.0	645.5	645.5	648.0	653.1	663.2	673.3	683.5	688.5	691.1	691.1
17.5°	653.1	650.6	650.6	650.6	658.1	668.3	680.9	688.5	696.1	698.6	698.6
20°	660.7	660.7	660.7	660.7	665.7	678.4	691.1	698.6	706.2	708.8	708.8
22.5°	680.9	680.9	678.4	675.9	680.9	691.1	706.2	713.8	721.4	726.5	726.5
25°	706.2	703.7	703.7	701.2	701.2	711.3	724.0	734.1	744.2	749.3	749.3
27.5°	736.6	734.1	734.1	729.0	729.0	741.7	751.8	761.9	772.1	777.1	777.1
30°	769.5	772.1	767.0	764.5	761.9	772.1	782.2	789.8	797.4	802.4	802.4
32.5°	822.7	822.7	817.6	815.1	812.6	820.1	825.2	830.3	837.9	848.0	850.5
35°	888.5	886.0	886.0	886.0	886.0	891.0	896.1	893.6	908.7	918.9	923.9
37.5°	974.6	977.1	972.0	967.0	964.4	969.5	974.6	982.2	997.3	1010.0	1012.5
40°	959.4	954.3	959.4	969.5	972.0	994.8	1017.6	1035.3	1060.6	1083.4	1085.9
42.5°	860.7	868.2	875.8	875.8	873.3	873.3	875.8	878.4	903.7	936.6	936.6
45°	706.2	711.3	721.4	716.4	693.6	683.5	688.5	696.1	724.0	805.0	807.5
47.5°	749.3	759.4	769.5	739.1	711.3	668.3	663.2	658.1	691.1	916.3	954.3
50°	883.4	883.4	896.1	870.8	860.7	835.3	820.1	825.2	896.1	1364.4	1447.9
52.5°	1149.2	1144.2	1174.5	1144.2	1134.0	1080.9	1022.7	1053.0	1126.4	1865.6	2037.7
55°	1394.8	1399.8	1430.2	1399.8	1372.0	1323.9	1245.4	1298.6	1397.3	2260.5	2506.0
57.5°	1660.5	1668.1	1703.6	1645.4	1589.7	1564.4	1490.9	1546.6	1655.5	2516.1	2845.2
60°	1936.5	1944.1	1961.8	1888.4	1837.7	1825.1	1741.6	1802.3	1933.9	2741.4	3111.0
62.5°	2199.7	2207.3	2197.2	2126.3	2095.9	2098.5	2017.5	2060.5	2202.3	3004.7	3318.6
65°	2366.8	2399.7	2392.1	2313.6	2303.5	2313.6	2227.6	2232.6	2379.4	3209.7	3523.6
67.5°	2447.8	2485.8	2468.0	2389.6	2394.6	2389.6	2280.7	2268.1	2419.9	3280.6	3581.8
70°	2366.8	2366.8	2354.1	2285.8	2283.3	2263.0	2182.0	2161.8	2280.7	3085.7	3359.1
72.5°	2169.3	2169.3	2159.2	2080.7	2065.6	2050.4	2002.3	1966.8	2070.6	2771.8	3045.2
75°	1883.3	1906.1	1893.4	1815.0	1797.2	1787.1	1754.2	1718.8	1812.4	2437.7	2668.0
77.5°	1506.1	1531.5	1516.3	1458.0	1442.9	1447.9	1425.1	1404.9	1473.2	1954.2	2166.8
80°	1010.0	1032.8	1004.9	977.1	954.3	977.1	967.0	956.8	994.8	1245.4	1458.0
82.5°	455.6	460.7	460.7	432.9	415.1	450.6	455.6	463.2	486.0	541.7	594.9
85°	278.4	281.0	275.9	268.3	258.2	265.8	263.3	268.3	278.4	296.2	306.3
87.5°	237.9	237.9	237.9	230.4	222.8	222.8	220.2	222.8	225.3	240.5	245.5
90°	210.1	210.1	210.1	205.0	200.0	200.0	202.5	200.0	205.0	220.2	227.8
92.5°	177.2	179.7	184.8	184.8	184.8	187.3	187.3	187.3	189.8	212.6	220.2
95°	131.6	129.1	139.2	146.8	149.3	154.4	154.4	154.4	159.5	179.7	187.3
97.5°	96.2	96.2	101.3	106.3	111.4	116.4	119.0	119.0	124.0	139.2	141.8
100°	68.3	68.3	73.4	78.5	81.0	88.6	91.1	91.1	91.1	101.3	101.3
102.5°	50.6	48.1	53.2	55.7	58.2	60.8	63.3	63.3	63.3	65.8	65.8
105°	30.4	30.4	32.9	35.4	38.0	38.0	40.5	40.5	38.0	38.0	38.0
107.5°	20.3	20.3	22.8	25.3	25.3	27.8	27.8	27.8	27.8	27.8	27.8
110°	15.2	15.2	17.7	20.3	20.3	22.8	22.8	22.8	22.8	20.3	20.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.7	12.7	15.2	15.2	17.7	17.7	17.7	17.7	17.7	17.7	17.7
115°	10.1	10.1	12.7	12.7	12.7	15.2	15.2	15.2	15.2	15.2	15.2
117.5°	7.6	7.6	10.1	10.1	12.7	12.7	12.7	12.7	12.7	12.7	12.7
120°	7.6	7.6	7.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
122.5°	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1	10.1
125°	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
127.5°	5.1	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6
130°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.6	7.6
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)