

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: P691744

Luminaire Tested: **CRTK2-C018-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691744
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-C018-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: 6342 lumens
Efficiency: N/A
Efficacy: 125.8 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): 50.4
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

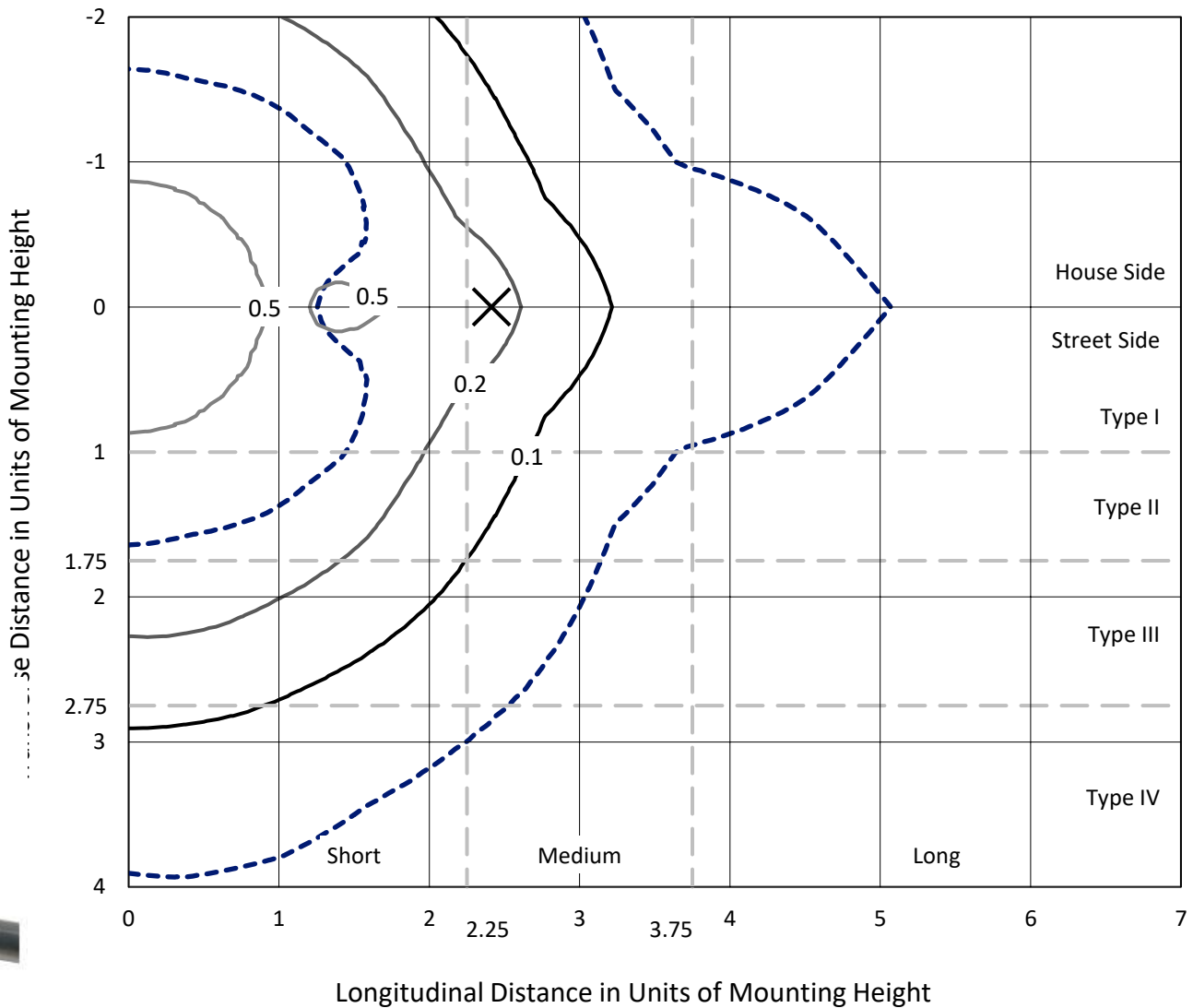


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

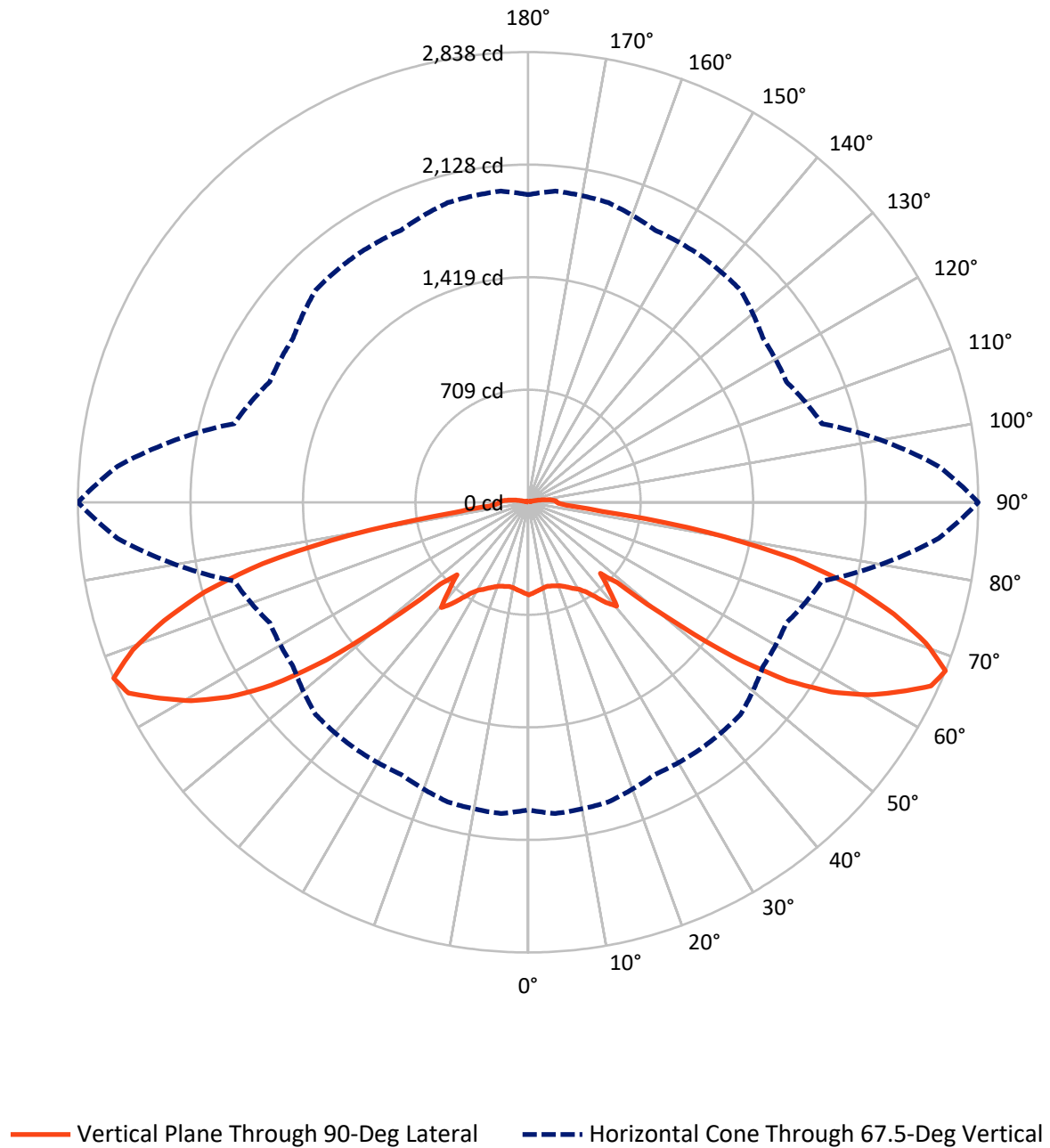


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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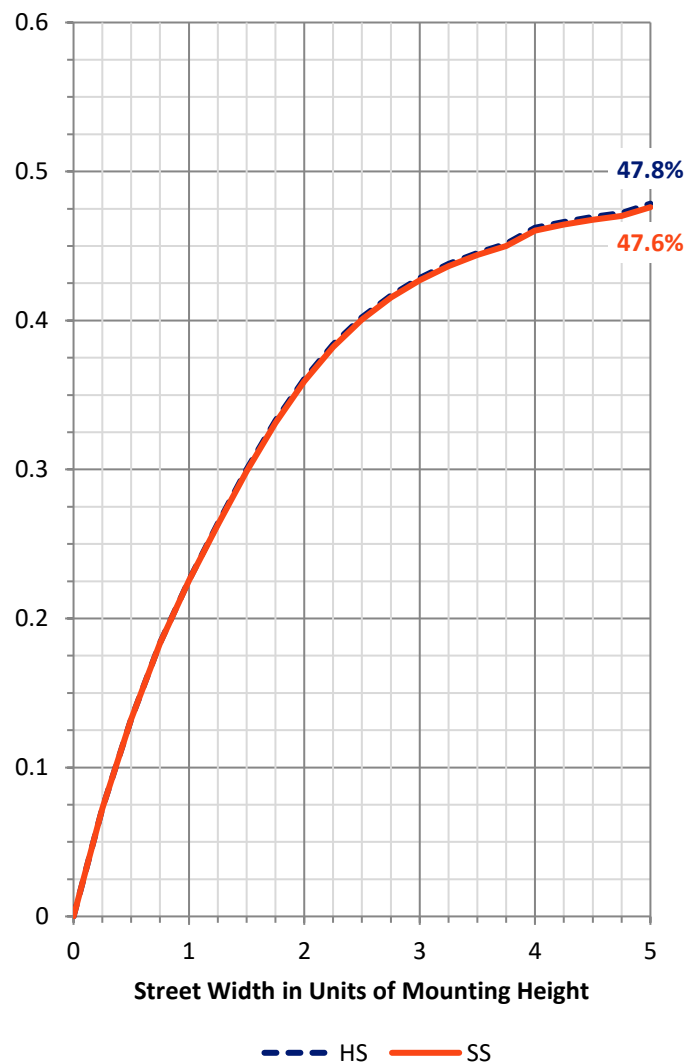
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3079.2	91.8	3171.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3079.2	91.8	3171.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	6158.3	183.7	6342.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	0.8
10°-20°	150.5	2.4
20°-30°	266.4	4.2
30°-40°	449.4	7.1
40°-50°	503.7	7.9
50°-60°	1042.8	16.4
60°-70°	1835.5	28.9
70°-80°	1516.9	23.9
80°-90°	340.3	5.4
90°-100°	130.1	2.1
100°-110°	36.8	0.6
110°-120°	11.2	0.2
120°-130°	5.1	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°	6158.3	97.1
0°-180°	6342.0	100.0

Coefficient of Utilization



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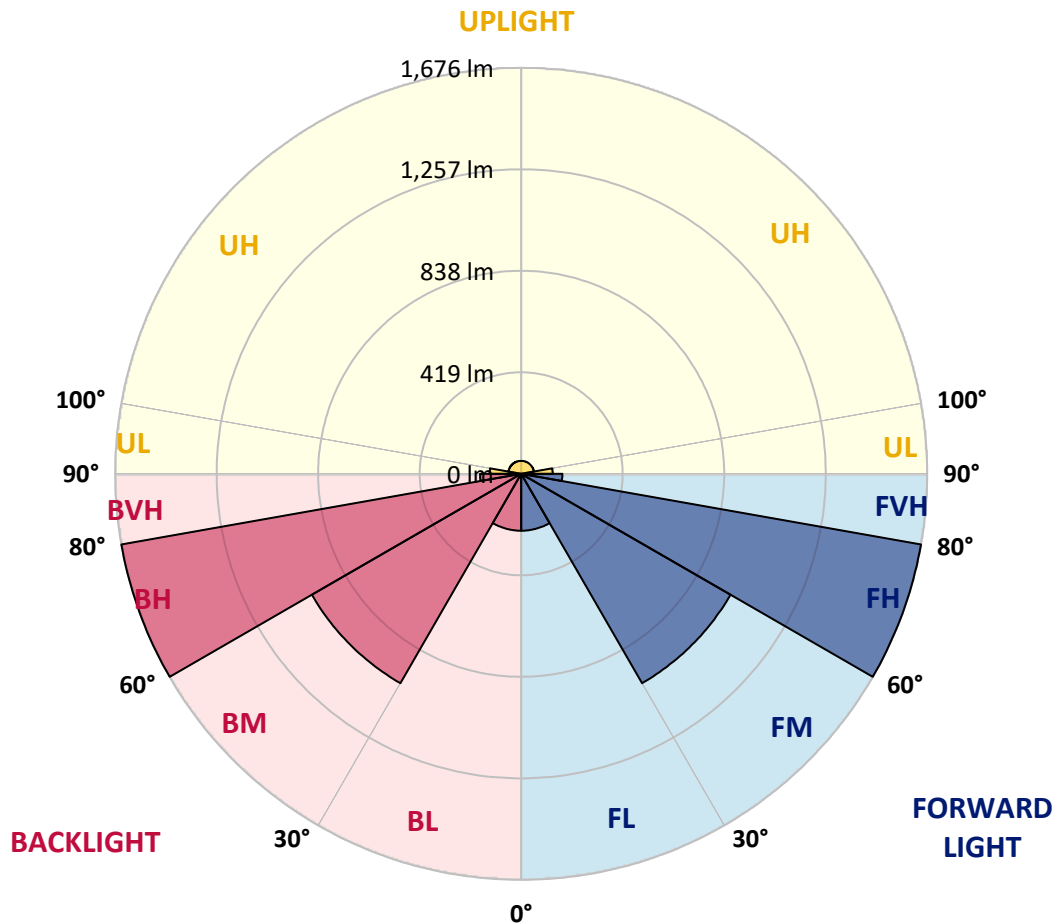
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.8	3.7			
FM	(30°-60°)	998.0	15.7			
FH	(60°-80°)	1676.2	26.4			G1/1800
FVH	(80°-90°)	170.1	2.7			G2/225
BL	(0°-30°)	234.8	3.7	B1/500		
BM	(30°-60°)	998.0	15.7	B1/1000		
BH	(60°-80°)	1676.2	26.4	B3/2500		G1/1800
BVH	(80°-90°)	170.1	2.7			G2/225
UL	(90°-100°)	130.1	2.1		U3/500	
UH	(100°-180°)	53.6	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°	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6
2.5°	577.6	577.6	573.6	571.6	573.6	575.6	577.6	577.6	575.6	573.6	573.6
5°	567.5	565.5	563.5	561.5	561.5	565.5	565.5	567.5	565.5	563.5	563.5
7.5°	541.5	541.5	539.5	537.5	541.5	545.5	551.5	553.5	555.5	555.5	555.5
10°	523.4	523.4	521.4	521.4	525.4	531.4	537.5	543.5	545.5	547.5	547.5
12.5°	513.4	513.4	513.4	511.4	517.4	523.4	533.5	537.5	541.5	543.5	543.5
15°	513.4	511.4	511.4	513.4	517.4	525.4	533.5	541.5	545.5	547.5	547.5
17.5°	517.4	515.4	515.4	515.4	521.4	529.4	539.5	545.5	551.5	553.5	553.5
20°	523.4	523.4	523.4	523.4	527.4	537.5	547.5	553.5	559.5	561.5	561.5
22.5°	539.5	539.5	537.5	535.5	539.5	547.5	559.5	565.5	571.6	575.6	575.6
25°	559.5	557.5	557.5	555.5	555.5	563.5	573.6	581.6	589.6	593.6	593.6
27.5°	583.6	581.6	581.6	577.6	577.6	587.6	595.6	603.6	611.7	615.7	615.7
30°	609.7	611.7	607.7	605.6	603.6	611.7	619.7	625.7	631.7	635.7	635.7
32.5°	651.8	651.8	647.8	645.8	643.8	649.8	653.8	657.8	663.8	671.8	673.8
35°	703.9	701.9	701.9	701.9	701.9	705.9	709.9	707.9	720.0	728.0	732.0
37.5°	772.1	774.1	770.1	766.1	764.1	768.1	772.1	778.1	790.1	800.2	802.2
40°	760.1	756.1	760.1	768.1	770.1	788.1	806.2	820.2	840.3	858.3	860.3
42.5°	681.9	687.9	693.9	693.9	691.9	691.9	693.9	695.9	715.9	742.0	742.0
45°	559.5	563.5	571.6	567.5	549.5	541.5	545.5	551.5	573.6	637.7	639.7
47.5°	593.6	601.6	609.7	585.6	563.5	529.4	525.4	521.4	547.5	726.0	756.1
50°	699.9	699.9	709.9	689.9	681.9	661.8	649.8	653.8	709.9	1080.9	1147.1
52.5°	910.5	906.5	930.5	906.5	898.4	856.3	810.2	834.3	892.4	1478.0	1614.4
55°	1105.0	1109.0	1133.1	1109.0	1087.0	1048.9	986.7	1028.8	1107.0	1790.9	1985.4
57.5°	1315.6	1321.6	1349.7	1303.5	1259.4	1239.4	1181.2	1225.3	1311.6	1993.4	2254.1
60°	1534.2	1540.2	1554.2	1496.1	1456.0	1445.9	1379.8	1427.9	1532.2	2171.9	2464.7
62.5°	1742.7	1748.8	1740.7	1684.6	1660.5	1662.5	1598.3	1632.4	1744.7	2380.5	2629.1
65°	1875.1	1901.2	1895.2	1833.0	1825.0	1833.0	1764.8	1768.8	1885.1	2542.9	2791.6
67.5°	1939.3	1969.4	1955.3	1893.1	1897.2	1893.1	1806.9	1796.9	1917.2	2599.1	2837.7
70°	1875.1	1875.1	1865.1	1810.9	1808.9	1792.9	1728.7	1712.7	1806.9	2444.6	2661.2
72.5°	1718.7	1718.7	1710.7	1648.5	1636.4	1624.4	1586.3	1558.2	1640.5	2196.0	2412.6
75°	1492.1	1510.1	1500.1	1437.9	1423.9	1415.9	1389.8	1361.7	1435.9	1931.3	2113.7
77.5°	1193.2	1213.3	1201.3	1155.1	1143.1	1147.1	1129.1	1113.0	1167.2	1548.2	1716.7
80°	800.2	818.2	796.2	774.1	756.1	774.1	766.1	758.1	788.1	986.7	1155.1
82.5°	361.0	365.0	365.0	342.9	328.9	357.0	361.0	367.0	385.0	429.2	471.3
85°	220.6	222.6	218.6	212.6	204.6	210.6	208.6	212.6	220.6	234.6	242.7
87.5°	188.5	188.5	188.5	182.5	176.5	176.5	174.5	176.5	178.5	190.5	194.5
90°	166.5	166.5	166.5	162.4	158.4	158.4	160.4	158.4	162.4	174.5	180.5
92.5°	140.4	142.4	146.4	146.4	146.4	148.4	148.4	148.4	150.4	168.5	174.5
95°	104.3	102.3	110.3	116.3	118.3	122.3	122.3	122.3	126.3	142.4	148.4
97.5°	76.2	76.2	80.2	84.2	88.2	92.3	94.3	94.3	98.3	110.3	112.3
100°	54.1	54.1	58.2	62.2	64.2	70.2	72.2	72.2	72.2	80.2	80.2
102.5°	40.1	38.1	42.1	44.1	46.1	48.1	50.1	50.1	50.1	52.1	52.1
105°	24.1	24.1	26.1	28.1	30.1	30.1	32.1	32.1	30.1	30.1	30.1
107.5°	16.0	16.0	18.0	20.1	20.1	22.1	22.1	22.1	22.1	22.1	22.1
110°	12.0	12.0	14.0	16.0	16.0	18.0	18.0	18.0	18.0	16.0	16.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.0	10.0	12.0	12.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
115°	8.0	8.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
117.5°	6.0	6.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
120°	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
122.5°	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0
125°	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
127.5°	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
130°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
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	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)