

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: P254794

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-5WQ-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8351.8 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G4

Input Watts (W): 94
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: 28.75 FT

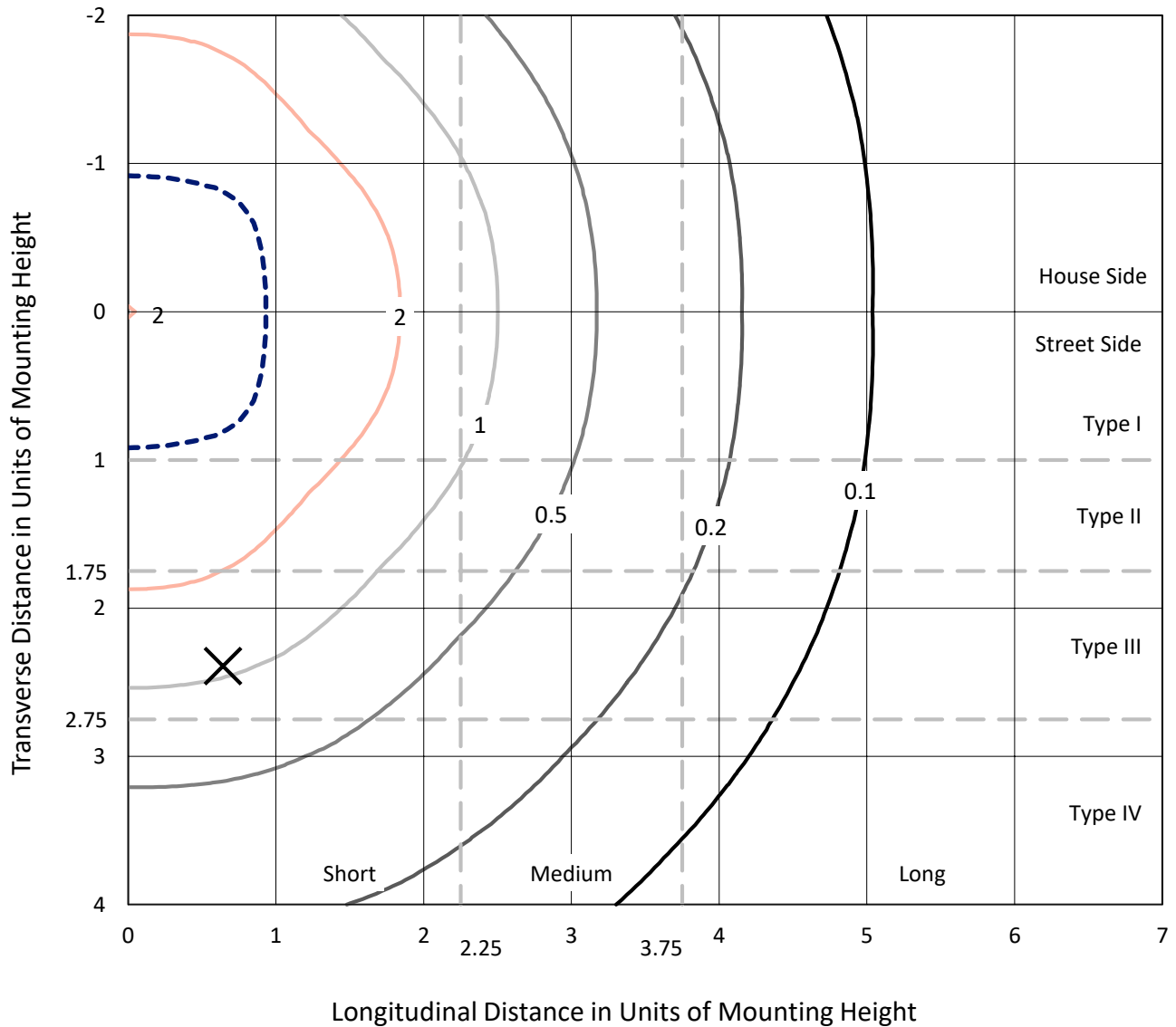


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

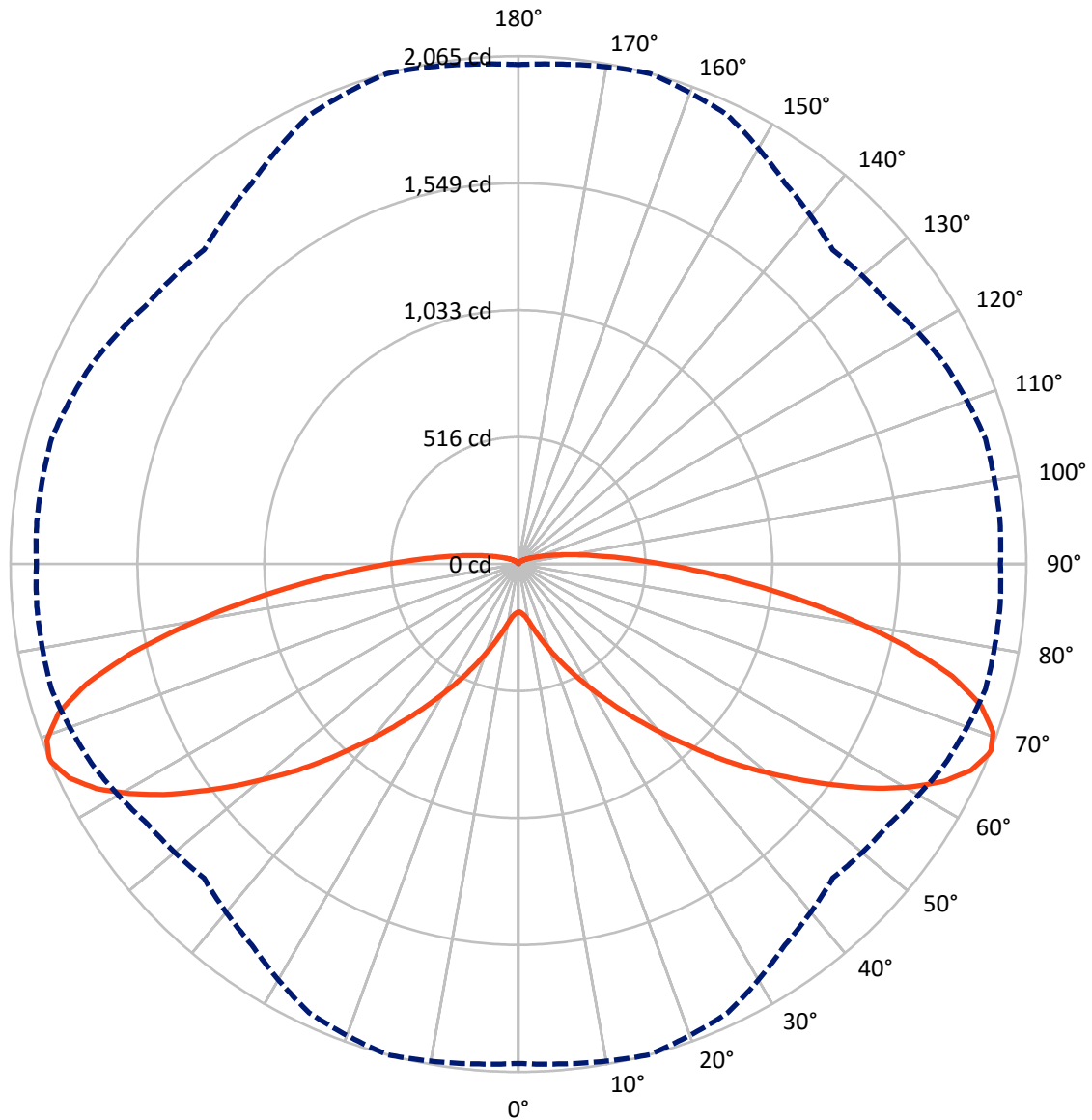


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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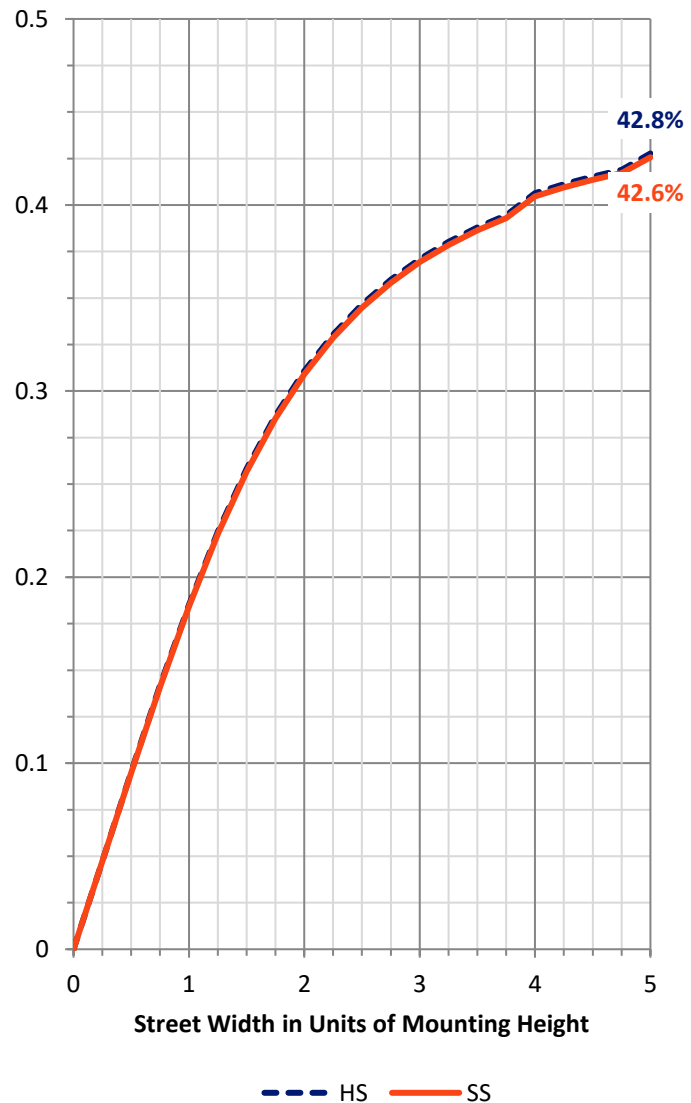
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3826.7	349.2	4175.9
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	3826.7	349.2	4175.9
	% Fixture	45.8	4.2	50.0
Total	Lumens	7653.4	698.4	8351.8
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.2
10°-20°	85.7	1.0
20°-30°	218.3	2.6
30°-40°	453.5	5.4
40°-50°	827.7	9.9
50°-60°	1352.1	16.2
60°-70°	1865.1	22.3
70°-80°	1802.1	21.6
80°-90°	1028.4	12.3
90°-100°	414.0	5.0
100°-110°	162.5	1.9
110°-120°	70.4	0.8
120°-130°	32.3	0.4
130°-140°	14.1	0.2
140°-150°	4.5	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7653.4	91.6
0°-180°	8351.8	100.0



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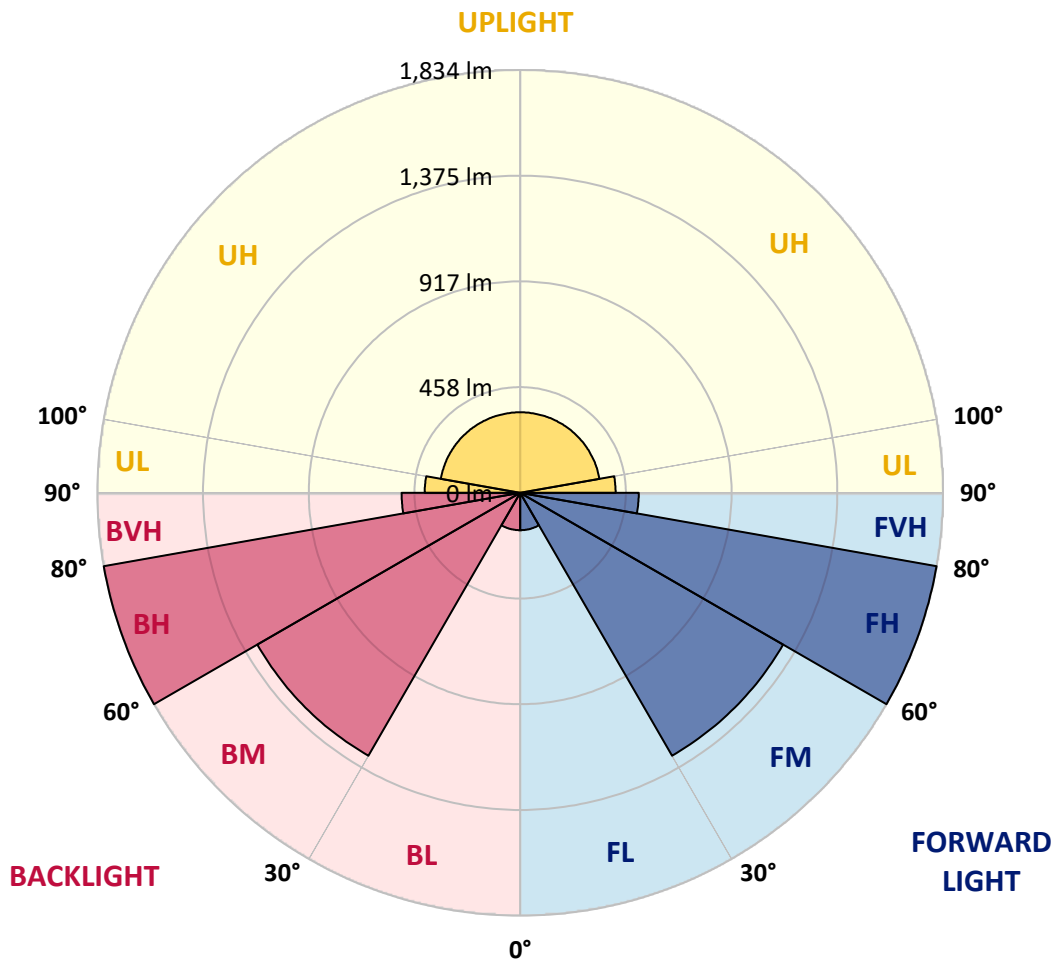
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.2	1.9			
FM (30°-60°)	1316.6	15.8			
FH (60°-80°)	1833.6	22.0			G2/5000
FVH (80°-90°)	514.2	6.2			G4/750
BL (0°-30°)	162.2	1.9	B1/500		
BM (30°-60°)	1316.6	15.8	B2/2500		
BH (60°-80°)	1833.6	22.0	B3/2500		G2/5000
BVH (80°-90°)	514.2	6.2			G4/750
UL (90°-100°)	414.0	5.0		U3/500	
UH (100°-180°)	349.2	4.2		U3/500	

BUG Rating: B3-U3-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8	196.7	196.7	196.7
5°	204.5	205.4	205.4	205.4	205.4	205.4	205.4	204.5	204.5	204.5	204.5
7.5°	217.8	217.8	217.8	217.8	217.8	216.8	216.8	216.8	215.9	215.9	214.9
10°	238.8	238.8	238.8	237.8	236.9	235.9	235.9	235.0	234.1	234.1	233.0
12.5°	266.5	266.5	266.5	261.6	260.8	258.8	258.8	258.8	259.8	259.8	260.8
15°	299.9	299.9	299.9	294.2	290.4	285.6	287.5	288.5	290.4	290.4	291.2
17.5°	338.1	338.1	336.2	330.5	324.7	321.9	320.0	322.9	324.7	326.6	326.6
20°	380.1	380.1	377.3	369.7	364.0	361.9	360.1	360.1	364.8	366.8	364.8
22.5°	427.9	426.0	424.0	414.5	408.8	404.0	404.0	403.0	408.8	412.7	411.7
25°	482.4	480.4	474.7	464.3	457.5	451.8	450.8	450.8	460.4	466.1	465.1
27.5°	541.6	538.7	531.1	519.6	509.1	501.5	502.4	506.2	514.8	525.3	525.3
30°	606.5	604.6	592.1	580.7	563.6	554.0	555.9	566.4	577.9	589.4	590.3
32.5°	678.2	674.3	660.0	644.7	623.8	611.3	615.1	627.5	644.7	661.9	662.8
35°	757.3	753.6	736.4	715.4	688.7	672.4	678.2	697.3	720.2	740.2	741.3
37.5°	843.4	837.7	816.6	794.7	758.4	739.2	748.9	773.7	800.5	823.4	826.2
40°	931.2	931.2	908.4	878.8	834.8	811.9	822.4	855.8	890.3	911.2	916.0
42.5°	1029.7	1030.7	1004.8	969.4	917.9	891.1	903.6	942.7	984.8	1007.7	1012.5
45°	1132.8	1135.6	1116.5	1066.9	1007.7	975.2	989.6	1039.2	1086.0	1109.8	1113.7
47.5°	1243.6	1247.4	1229.2	1172.0	1104.2	1068.8	1084.1	1140.4	1194.9	1217.8	1221.6
50°	1361.1	1364.0	1342.0	1285.7	1209.2	1166.3	1185.4	1248.4	1304.8	1327.6	1333.4
52.5°	1482.4	1485.3	1464.3	1408.0	1319.1	1271.3	1294.1	1360.2	1423.2	1443.2	1444.2
55°	1604.7	1608.6	1590.4	1529.2	1433.7	1379.3	1405.1	1474.8	1542.5	1561.7	1567.5
57.5°	1724.9	1728.8	1721.2	1652.4	1550.2	1488.1	1517.7	1594.1	1661.0	1676.2	1677.2
60°	1837.7	1844.4	1838.7	1770.9	1660.0	1592.2	1623.7	1704.0	1770.9	1783.2	1785.2
62.5°	1937.0	1940.9	1943.7	1882.6	1757.4	1683.9	1719.3	1802.3	1867.4	1875.0	1874.1
65°	2004.9	2012.4	2022.1	1962.9	1836.7	1757.4	1793.8	1875.0	1935.1	1940.9	1937.0
67.5°	2030.7	2041.2	2062.2	2009.6	1885.5	1802.3	1837.7	1913.1	1964.7	1967.6	1960.8
68°	2030.7	2040.2	2065.0	2013.4	1890.3	1807.1	1841.6	1916.1	1965.7	1965.7	1960.0
70°	2001.1	2014.4	2046.9	2007.7	1891.2	1811.0	1840.6	1904.6	1946.6	1939.0	1930.4
72.5°	1907.4	1922.8	1966.6	1942.7	1847.2	1775.6	1796.7	1843.4	1862.6	1847.2	1838.7
75°	1745.1	1761.3	1821.5	1817.6	1749.8	1690.6	1703.1	1724.0	1724.0	1695.3	1680.1
77.5°	1540.7	1556.0	1615.2	1639.0	1606.5	1562.6	1562.6	1557.8	1534.0	1486.3	1472.9
80°	1298.0	1311.4	1374.5	1425.1	1419.4	1394.4	1383.0	1352.5	1310.4	1257.9	1238.8
82.5°	1055.5	1069.7	1131.0	1182.5	1215.9	1206.3	1186.3	1138.6	1076.4	1018.2	1006.8
85°	836.7	841.6	905.4	971.5	1009.5	1013.4	992.4	931.2	867.3	809.9	796.6
87.5°	652.4	659.1	711.6	778.5	825.2	829.1	808.1	746.0	683.9	632.3	620.8
90°	501.5	512.0	554.0	614.1	659.1	668.5	647.6	592.1	533.9	487.1	477.6
92.5°	386.9	393.6	430.8	482.4	523.5	535.8	516.7	468.0	417.4	376.3	372.5
95°	303.7	305.6	335.2	379.2	413.5	429.8	411.7	370.6	326.6	293.3	289.4
97.5°	235.0	238.8	262.7	299.9	331.4	342.0	328.6	294.2	257.9	226.3	223.6
100°	182.5	185.3	206.3	239.8	265.5	275.2	264.6	235.9	202.4	177.6	177.6
102.5°	145.2	146.2	163.4	190.9	212.1	220.6	212.9	189.1	160.5	140.4	141.4
105°	116.6	116.6	129.9	154.7	174.9	180.5	173.8	152.9	128.0	112.7	112.7
107.5°	93.6	94.5	105.1	126.0	144.2	150.0	144.2	125.1	103.1	91.7	91.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	77.3	77.3	85.0	103.1	119.4	125.1	119.4	102.1	84.0	74.6	74.6
112.5°	64.0	64.0	69.7	85.0	99.3	105.1	99.3	84.0	68.8	62.1	62.1
115°	54.4	54.4	58.2	70.7	83.1	87.9	83.1	70.7	57.4	53.5	53.5
117.5°	46.8	46.8	49.7	59.2	69.7	74.6	69.7	58.2	48.7	45.9	45.9
120°	41.1	41.1	42.1	48.7	58.2	62.1	58.2	48.7	41.1	39.2	39.2
122.5°	35.3	35.3	35.3	41.1	48.7	51.6	47.7	41.1	35.3	34.4	34.4
125°	31.4	30.6	31.4	34.4	40.1	43.9	40.1	34.4	30.6	30.6	30.6
127.5°	27.8	27.8	26.8	28.6	33.5	35.3	33.5	28.6	26.8	26.8	26.8
130°	23.9	23.9	23.9	24.8	26.8	28.6	27.8	24.8	23.9	23.9	23.9
132.5°	21.0	21.0	20.1	21.0	22.0	23.0	22.0	20.1	20.1	21.0	21.0
135°	18.1	18.1	18.1	17.2	17.2	18.1	17.2	17.2	18.1	18.1	18.1
137.5°	16.3	16.3	15.3	14.3	13.3	13.3	13.3	14.3	15.3	15.3	16.3
140°	13.3	13.3	12.4	11.5	10.5	10.5	10.5	11.5	12.4	13.3	13.3
142.5°	11.5	11.5	10.5	8.6	7.6	6.7	7.6	8.6	9.5	10.5	10.5
145°	8.6	8.6	7.6	6.7	5.7	4.8	4.8	6.7	7.6	8.6	8.6
147.5°	6.7	6.7	5.7	4.8	3.9	2.8	2.8	4.8	5.7	6.7	6.7
150°	4.8	4.8	3.9	2.8	1.8	1.8	1.8	2.8	3.9	3.9	4.8
152.5°	2.8	2.8	1.8	1.8	1.0	1.0	1.0	1.8	1.8	2.8	2.8
155°	1.0	1.8	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.8	1.8
157.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)