

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: McGRAW-EDISON

Report Number: P157658

Luminaire Tested: **VTS-E03-LED-E1-5XQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157658  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33710)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E03-LED-E1-5XQ-8030  
Description: VENTUS LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

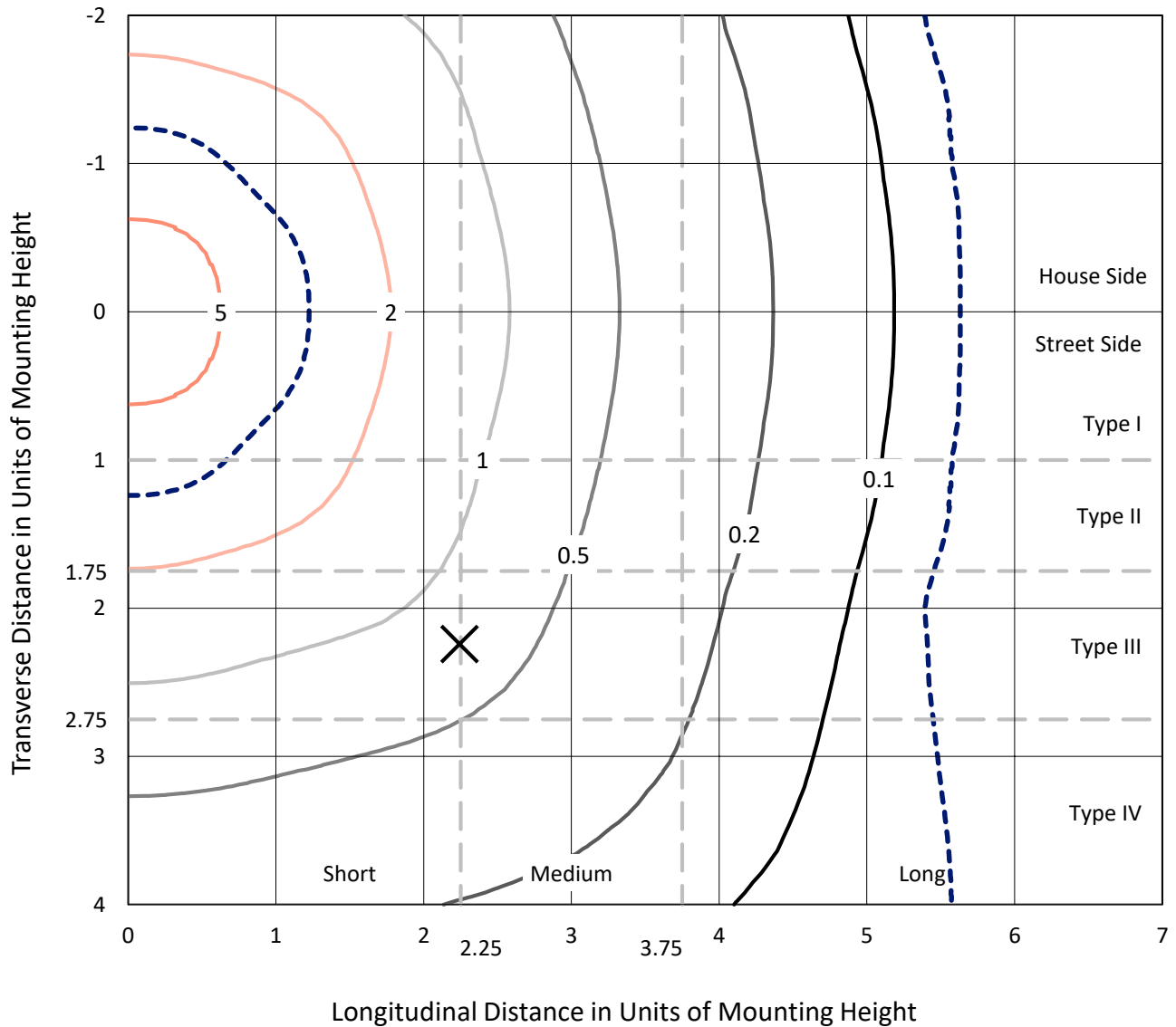
Lumens per Lamp: N/A  
Luminaire Lumens: 8007.5 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U1 - G3

Input Watts (W): 75.2  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

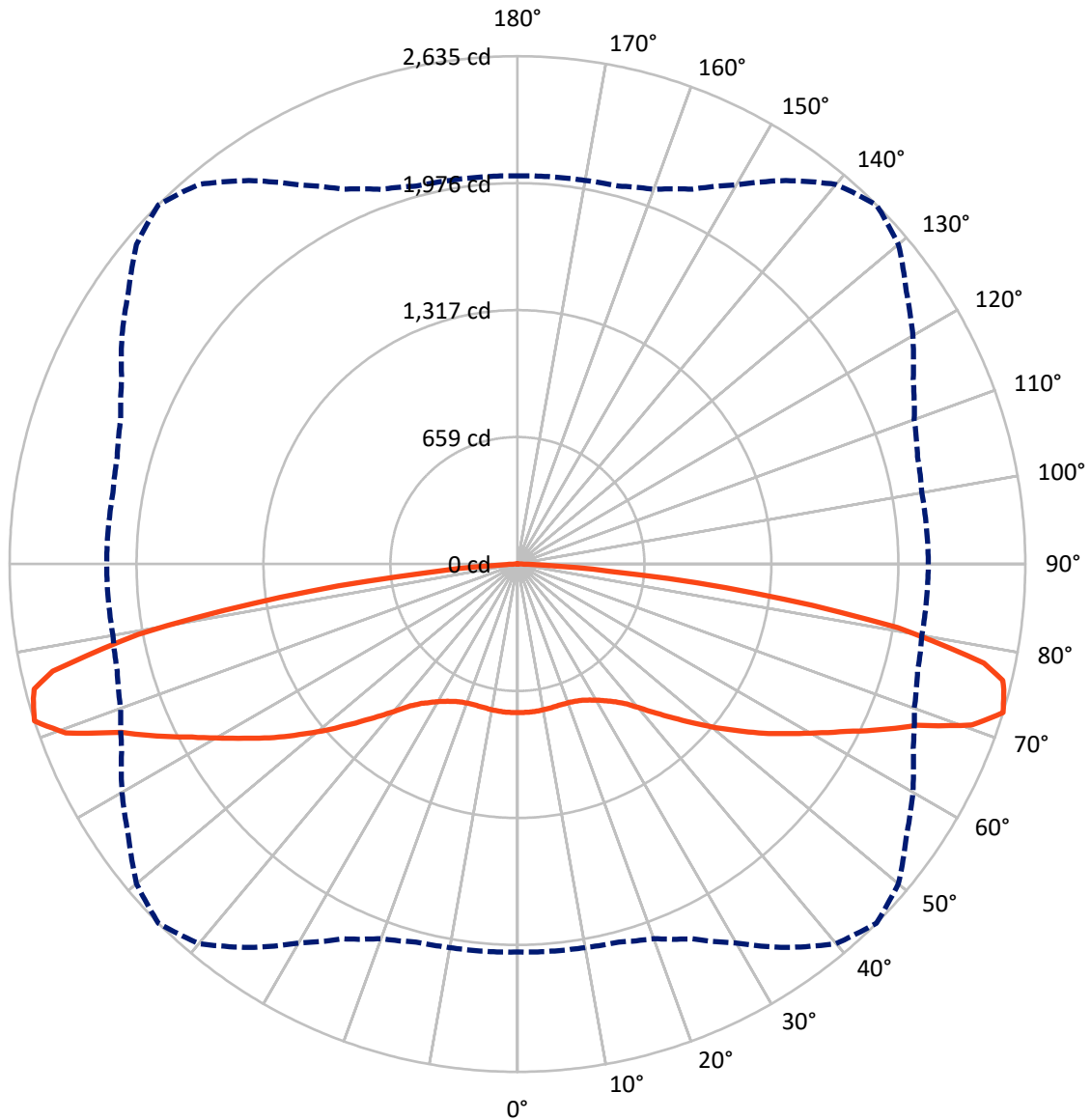
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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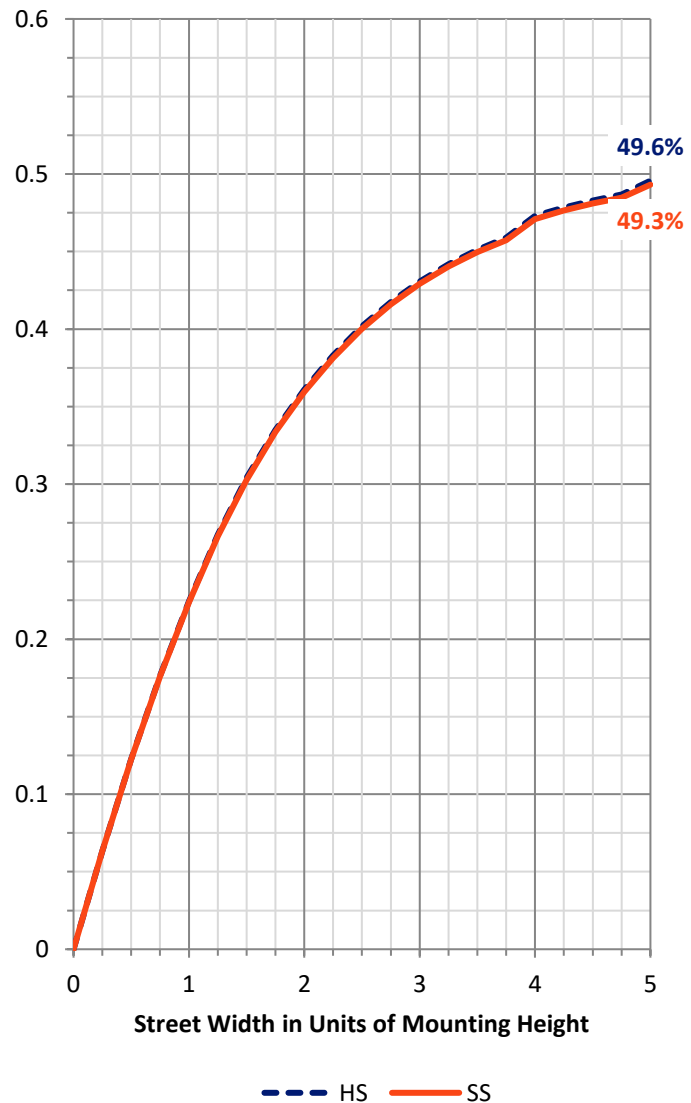
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4001.8	1.9	4003.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4001.8	1.9	4003.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8003.7	3.9	8007.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	0.9
10°-20°	217.2	2.7
20°-30°	363.2	4.5
30°-40°	552.0	6.9
40°-50°	874.3	10.9
50°-60°	1337.4	16.7
60°-70°	1914.0	23.9
70°-80°	2190.1	27.3
80°-90°	482.0	6.0
90°-100°	0.4	0.0
100°-110°	0.8	0.0
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8003.7	100.0
0°-180°	8007.5	100.0



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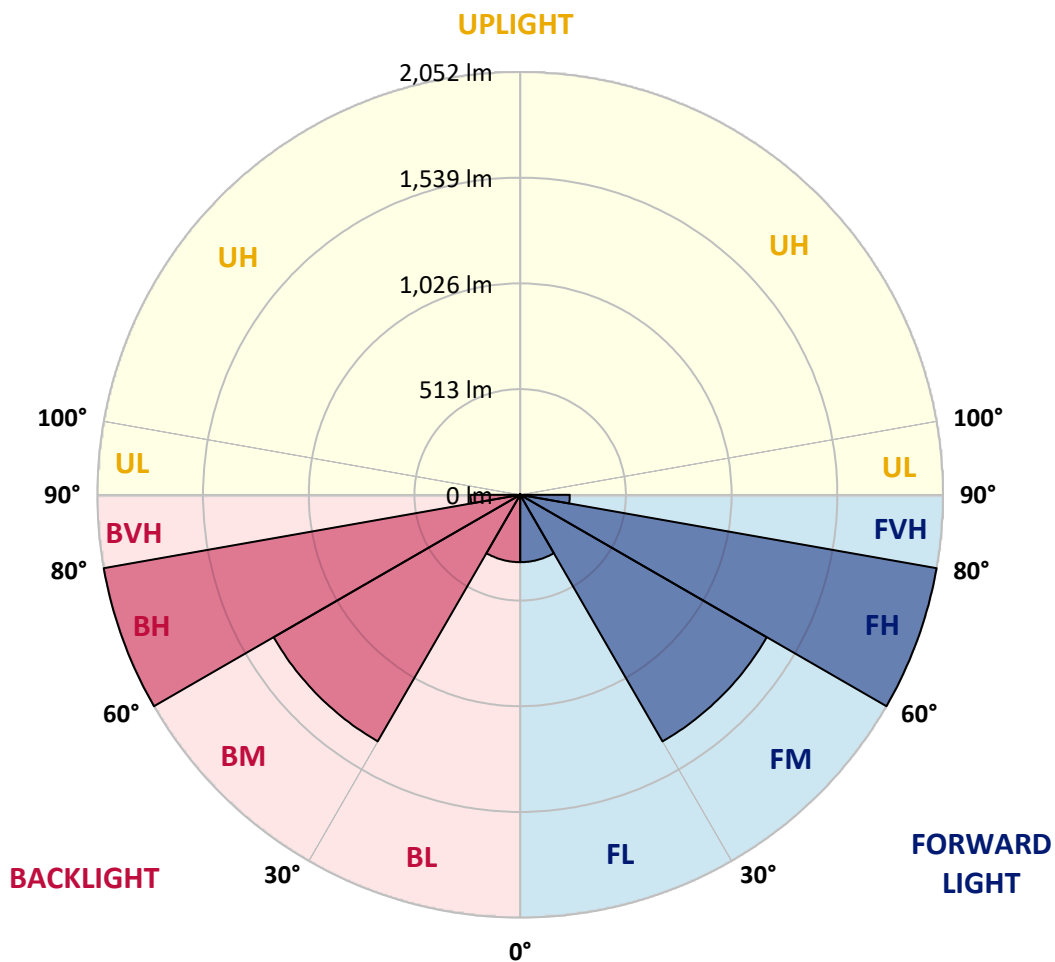
CATALOG NUMBER: VTS-E03-LED-E1-5XQ-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.0	4.1			
FM	(30°-60°)	1381.8	17.3			
FH	(60°-80°)	2052.0	25.6			G2/5000
FVH	(80°-90°)	241.0	3.0			G3/500
BL	(0°-30°)	327.0	4.1	B1/500		
BM	(30°-60°)	1381.8	17.3	B2/2500		
BH	(60°-80°)	2052.0	25.6	B3/2500		G2/5000
BVH	(80°-90°)	241.0	3.0			G3/500
UL	(90°-100°)	0.4	0.0		U1/10	
UH	(100°-180°)	1.9	0.0		U1/10	

**BUG Rating: B3-U1-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7
2.5°	771.2	770.2	770.7	771.7	771.2	771.2	770.7	770.7	771.7	770.7	771.2
5°	771.7	770.7	771.2	771.7	771.2	771.7	771.2	771.2	771.2	770.7	771.7
7.5°	769.7	769.7	770.2	770.2	769.7	770.2	770.2	770.2	769.7	769.7	770.7
10°	768.7	768.2	768.2	768.7	768.2	768.2	768.7	768.7	767.7	767.7	768.7
12.5°	767.2	766.7	766.7	766.7	766.2	766.2	766.7	766.7	766.2	765.7	767.2
15°	766.2	765.7	765.7	765.7	764.7	765.2	765.2	765.2	764.7	764.1	765.7
17.5°	765.7	765.2	765.2	765.2	764.7	764.7	764.7	764.7	764.1	764.1	765.2
20°	766.7	766.7	766.7	766.7	766.2	766.2	766.2	766.7	766.7	766.7	767.7
22.5°	769.2	769.2	769.7	770.2	770.2	771.2	771.7	772.3	772.3	772.8	773.8
25°	775.8	775.8	776.3	776.8	778.3	779.3	781.4	782.4	782.9	782.9	783.4
27.5°	787.9	788.5	789.5	790.5	792.5	794.0	796.1	798.1	798.6	799.1	799.6
30°	803.1	803.6	805.7	806.7	809.2	812.3	814.8	816.8	818.3	819.3	818.8
32.5°	824.9	825.9	828.5	830.0	833.5	836.6	840.1	843.1	844.7	846.2	845.7
35°	855.3	857.8	860.4	861.9	865.4	868.0	872.5	875.6	878.6	877.6	878.1
37.5°	900.4	902.4	902.9	903.9	907.5	909.5	914.5	918.6	920.1	921.1	921.6
40°	961.1	961.1	963.7	961.6	966.2	966.7	972.8	978.4	979.9	983.9	980.9
42.5°	1032.0	1031.5	1033.0	1031.5	1031.5	1036.6	1041.7	1051.8	1052.8	1057.9	1054.8
45°	1109.0	1109.0	1107.5	1108.0	1109.0	1114.6	1120.7	1131.8	1136.9	1139.9	1137.9
47.5°	1192.6	1190.5	1190.0	1189.5	1192.6	1198.6	1207.8	1218.4	1231.0	1232.1	1231.0
50°	1277.1	1276.6	1273.1	1276.1	1278.1	1281.2	1298.4	1312.6	1325.7	1333.8	1331.3
52.5°	1366.3	1361.7	1361.7	1361.7	1366.8	1376.4	1391.6	1410.8	1428.5	1437.1	1435.6
55°	1456.4	1454.9	1450.3	1448.3	1454.9	1468.5	1490.3	1513.6	1536.9	1550.1	1545.0
57.5°	1538.9	1536.4	1536.9	1537.4	1545.0	1563.2	1588.6	1619.4	1644.8	1658.9	1655.4
60°	1603.8	1600.7	1606.3	1607.8	1621.5	1651.9	1692.4	1731.4	1764.8	1779.0	1773.4
62.5°	1677.2	1675.2	1678.7	1678.2	1692.9	1726.8	1781.0	1843.3	1893.9	1912.1	1904.0
65°	1795.7	1789.6	1788.1	1782.5	1792.1	1818.5	1872.6	1945.1	2026.1	2072.7	2061.5
67.5°	1937.5	1935.9	1930.9	1927.8	1931.4	1964.3	2016.5	2086.3	2168.9	2233.2	2247.4
70°	2031.1	2033.2	2038.2	2045.8	2075.2	2139.0	2234.2	2340.0	2453.5	2501.6	2493.0
72.5°	2013.4	2016.5	2020.5	2030.1	2068.6	2145.1	2270.7	2428.7	2571.0	2634.8	2580.1
75°	1926.8	1929.4	1938.5	1953.2	2000.3	2092.9	2228.1	2395.8	2542.6	2606.4	2549.2
76°	1846.8	1854.9	1871.6	1888.9	1945.6	2046.3	2190.7	2369.4	2524.9	2589.7	2534.5
77.5°	1665.5	1672.6	1686.3	1716.2	1780.5	1909.6	2078.2	2254.0	2416.0	2474.2	2427.7
80°	1253.3	1259.4	1272.1	1308.0	1363.7	1443.7	1574.4	1746.0	1923.8	2000.3	1969.9
82.5°	529.2	536.3	586.4	638.6	699.8	786.4	871.5	1023.4	1154.1	1241.2	1194.6
85°	58.2	71.9	88.6	120.5	147.9	197.0	245.1	337.3	426.4	480.6	424.9
87.5°	10.1	11.6	16.7	21.3	23.8	27.3	32.9	46.1	62.8	54.2	55.2
90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
97.5°	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
100°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
102.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
105°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
107.5°	0.5	0.5	0.5	0.5	1.0	1.0	0.5	0.5	0.5	1.0	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
112.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
115°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
117.5°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
122.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
130°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
132.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
135°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
137.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
140°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
142.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
150°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.0	0.5
157.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7
2.5°	770.7	770.7	771.7	771.2	771.2	771.7	772.8	772.3
5°	771.2	771.7	770.7	771.2	771.7	771.7	772.3	771.7
7.5°	770.2	770.2	770.2	770.7	771.2	770.7	771.2	771.2
10°	768.2	768.7	768.2	769.2	769.7	769.7	770.2	770.2
12.5°	766.7	766.7	766.7	767.7	768.2	768.2	768.7	768.2
15°	765.2	765.2	764.7	765.7	766.7	766.7	767.2	767.2
17.5°	764.7	764.7	764.1	765.2	766.2	766.2	766.7	766.7
20°	766.2	766.7	765.7	766.7	767.7	768.2	768.2	768.2
22.5°	772.3	771.7	770.2	770.7	771.2	771.2	771.2	771.2
25°	781.4	780.4	778.8	778.3	777.8	777.3	777.3	777.3
27.5°	797.1	795.5	793.0	792.5	792.0	791.0	791.0	791.0
30°	815.8	813.8	810.7	809.7	808.2	807.2	806.7	806.2
32.5°	842.6	838.6	835.0	832.5	831.0	828.0	827.4	826.4
35°	873.5	870.5	865.4	863.9	861.4	859.9	859.4	856.8
37.5°	916.1	912.5	908.0	907.0	906.4	904.9	904.9	904.4
40°	975.3	971.8	967.7	963.7	964.7	965.2	965.2	963.2
42.5°	1047.7	1042.2	1034.1	1036.6	1035.1	1033.0	1037.1	1034.6
45°	1130.3	1122.7	1116.6	1114.1	1114.1	1111.5	1115.6	1115.6
47.5°	1221.9	1209.8	1198.6	1199.1	1195.1	1196.1	1198.6	1202.2
50°	1318.7	1302.4	1291.8	1286.7	1282.7	1284.2	1288.8	1289.8
52.5°	1418.9	1399.2	1385.0	1377.4	1372.3	1374.4	1377.9	1380.9
55°	1523.2	1501.5	1480.2	1472.1	1466.0	1470.1	1470.6	1474.6
57.5°	1632.1	1602.2	1577.4	1565.3	1559.2	1563.2	1566.3	1570.3
60°	1742.0	1707.6	1678.2	1664.0	1655.4	1661.0	1668.1	1670.1
62.5°	1869.6	1822.0	1789.1	1768.8	1764.8	1770.4	1772.4	1778.5
65°	2020.5	1963.3	1917.7	1892.9	1891.9	1894.9	1899.5	1901.0
67.5°	2192.7	2128.9	2067.6	2042.8	2033.2	2042.3	2046.8	2052.9
70°	2435.8	2348.2	2259.5	2204.3	2181.0	2174.0	2176.0	2182.6
72.5°	2463.1	2368.9	2265.6	2190.7	2149.6	2130.9	2130.4	2131.4
75°	2403.3	2252.9	2180.0	2093.9	2035.7	2005.3	2001.3	2000.8
76°	2373.5	2195.7	2090.4	2022.0	1952.2	1921.3	1916.7	1914.2
77.5°	2247.4	2056.5	1898.0	1856.4	1789.6	1750.6	1758.7	1752.1
80°	1801.8	1612.4	1463.0	1346.0	1349.5	1321.2	1309.5	1306.0
82.5°	1061.9	906.4	741.4	644.6	552.5	528.2	454.7	438.0
85°	339.3	240.5	145.8	105.8	71.9	60.3	47.1	43.0
87.5°	45.1	35.4	28.9	27.9	25.3	21.8	14.2	10.1
90°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
100°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
102.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
105°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
107.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
110°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
112.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
115°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
117.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
120°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
122.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
125°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
127.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
130°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
132.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
135°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
137.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
140°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
142.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
145°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
147.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
150°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
152.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
155°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
157.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
160°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
162.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
165°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)