

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: P228481

Luminaire Tested: **ISS-AF-600-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-600-LED-E1-SLL-8030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

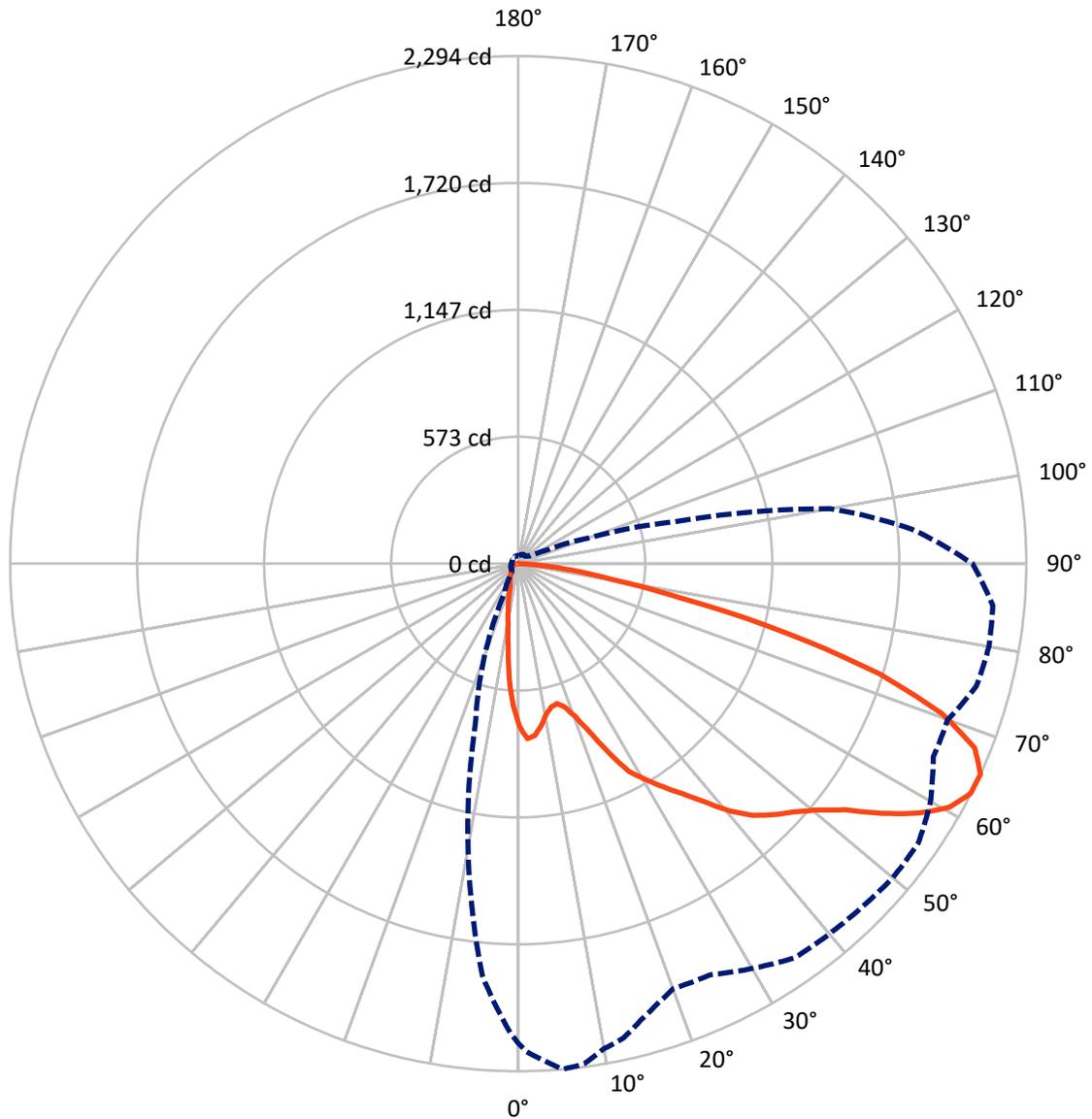
Lumens per Lamp: N/A
Luminaire Lumens: 2660 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 33.7
Input Voltage (V): 120
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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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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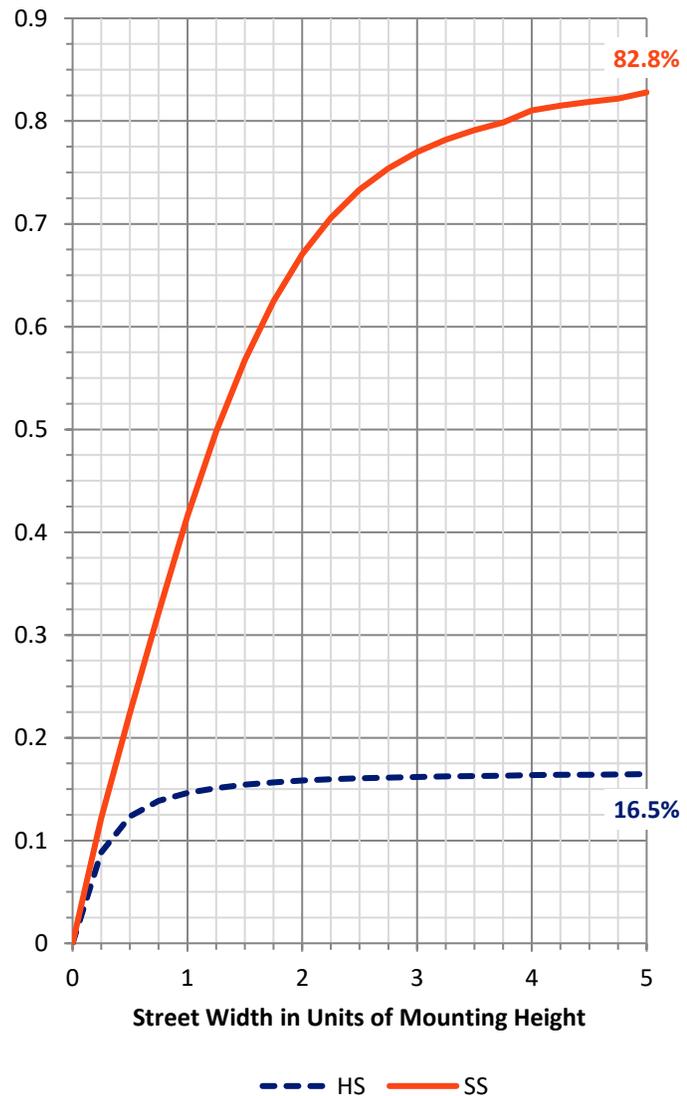
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.3	0.0	442.3
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2217.7	0.0	2217.7
	% Fixture	83.4	0.0	83.4
Total	Lumens	2660.0	0.0	2660.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	2.1
10°-20°	116.5	4.4
20°-30°	169.3	6.4
30°-40°	250.4	9.4
40°-50°	364.9	13.7
50°-60°	546.9	20.6
60°-70°	681.6	25.6
70°-80°	399.2	15.0
80°-90°	74.7	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2660.0	100.0
0°-180°	2660.0	100.0



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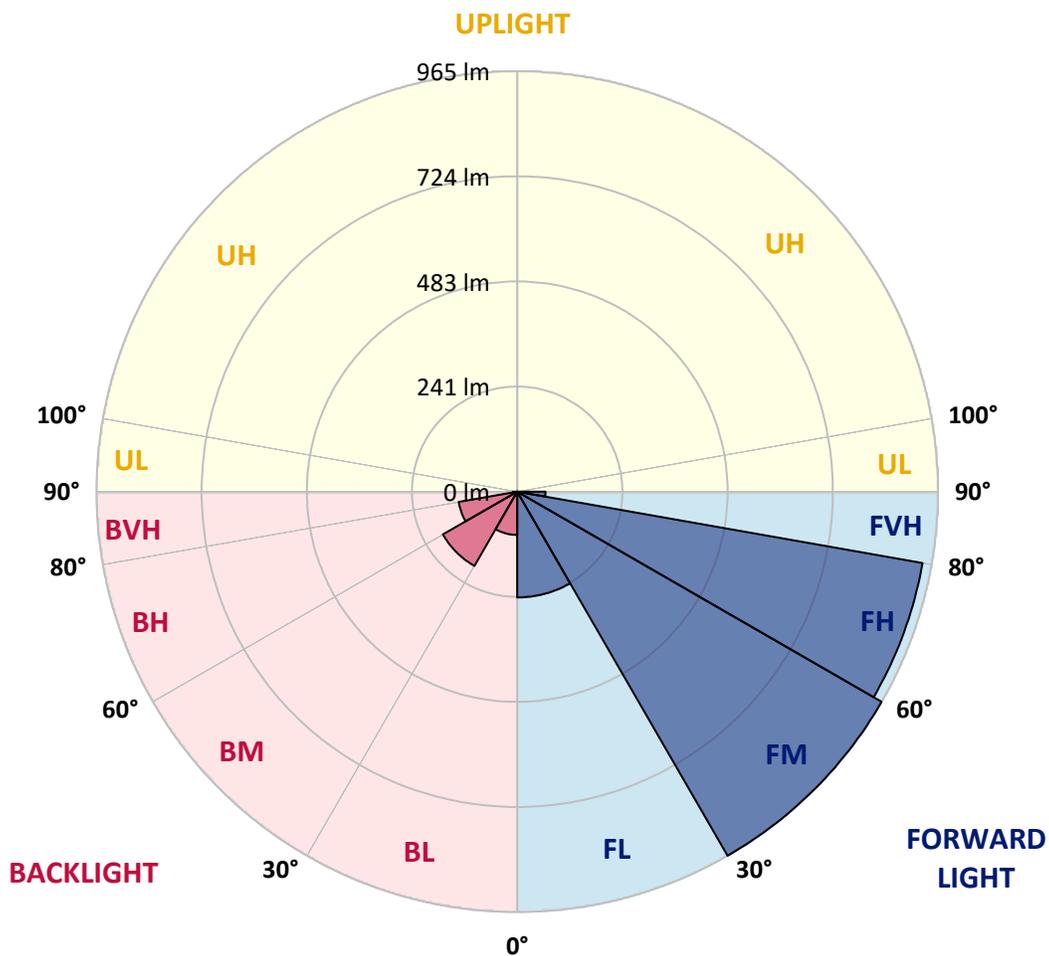
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.0	9.1			
FM	(30°-60°)	965.4	36.3			
FH	(60°-80°)	944.3	35.5			G1/1800
FVH	(80°-90°)	65.0	2.4			G1/100
BL	(0°-30°)	99.3	3.7	B0/110		
BM	(30°-60°)	196.9	7.4	B0/220		
BH	(60°-80°)	136.5	5.1	B1/500		G1/500
BVH	(80°-90°)	9.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	781.4	779.3	791.9	794.0	802.5	802.5	812.0	820.4	823.5	830.9	849.9
5°	756.1	762.5	780.4	798.3	810.9	823.5	837.2	854.1	867.8	890.9	939.4
7.5°	700.3	709.8	740.3	758.2	778.3	800.4	817.2	837.2	858.3	897.3	983.6
10°	645.6	652.9	691.9	714.0	742.4	765.6	789.8	812.0	835.1	883.6	983.6
12.5°	610.8	620.3	664.5	685.6	718.2	742.4	771.9	798.3	825.6	877.2	974.1
15°	603.4	614.0	656.1	682.4	710.9	734.0	760.3	787.7	815.1	865.7	952.0
17.5°	623.4	636.1	681.4	710.9	733.0	759.3	778.3	804.6	822.5	862.5	903.6
20°	670.8	685.6	739.3	767.7	785.6	802.5	817.2	833.0	840.4	849.9	842.5
22.5°	746.7	764.6	825.6	858.3	870.9	883.6	884.6	886.7	881.5	856.2	799.3
25°	855.1	873.0	942.5	974.1	974.1	974.1	962.5	954.1	929.9	882.5	787.7
27.5°	956.2	979.4	1062.6	1082.6	1076.3	1066.8	1044.7	1023.6	988.9	909.9	786.7
30°	1032.1	1055.2	1132.1	1147.9	1132.1	1108.9	1074.2	1043.6	1002.6	923.6	794.0
32.5°	1101.6	1128.9	1202.7	1204.8	1176.3	1150.0	1111.0	1076.3	1033.1	948.9	816.2
35°	1175.3	1202.7	1277.4	1262.7	1221.6	1185.8	1145.8	1115.2	1072.1	981.5	852.0
37.5°	1277.4	1301.6	1364.8	1330.1	1277.4	1231.1	1187.9	1147.9	1104.7	1025.7	912.0
40°	1376.4	1411.2	1469.1	1413.3	1349.0	1286.9	1239.5	1197.4	1150.0	1085.8	988.9
42.5°	1469.1	1501.7	1555.5	1483.8	1409.1	1346.9	1297.4	1252.2	1206.9	1154.2	1081.5
45°	1539.7	1573.4	1618.6	1542.8	1457.5	1393.3	1339.6	1299.5	1259.5	1223.7	1198.4
47.5°	1608.1	1641.8	1676.6	1594.4	1510.2	1444.9	1381.7	1344.8	1313.2	1294.3	1324.8
50°	1696.6	1719.7	1749.2	1660.8	1571.2	1496.5	1433.3	1404.9	1375.4	1381.7	1483.8
52.5°	1816.6	1836.6	1847.2	1760.8	1660.8	1575.5	1506.0	1467.0	1442.8	1479.6	1652.3
55°	1986.2	2014.6	1991.4	1906.1	1779.8	1682.9	1597.6	1551.2	1536.5	1586.0	1820.8
57.5°	2132.6	2145.2	2128.3	2044.1	1914.6	1806.1	1715.5	1667.1	1650.2	1715.5	1974.6
60°	2196.8	2212.6	2235.8	2163.1	2042.0	1934.6	1856.6	1809.3	1780.8	1856.6	2097.8
62.5°	2207.3	2233.7	2290.5	2253.7	2157.8	2077.8	2007.2	1941.9	1919.8	1977.7	2178.9
65°	2166.3	2206.3	2293.7	2280.0	2226.3	2195.7	2136.8	2086.2	2044.1	2050.4	2174.7
67.5°	2073.6	2119.9	2222.1	2215.8	2222.1	2222.1	2170.5	2128.3	2073.6	1995.7	2014.6
70°	1850.3	1911.4	2029.4	2059.9	2113.6	2113.6	2068.3	2004.1	1940.9	1780.8	1683.9
72.5°	1482.8	1523.9	1705.0	1853.5	1921.9	1894.6	1850.3	1742.9	1603.9	1428.0	1296.4
75°	1003.6	1027.8	1250.0	1521.8	1646.0	1622.8	1550.2	1416.4	1273.2	1077.3	910.9
77.5°	559.2	590.8	757.2	969.9	1137.4	1134.2	1124.7	1039.4	925.7	763.5	677.2
80°	328.6	339.1	426.5	581.3	725.6	690.8	666.6	599.2	541.3	467.6	533.9
82.5°	201.1	190.6	242.2	353.8	428.6	413.9	372.8	347.5	320.1	300.1	354.9
85°	54.8	49.5	99.0	148.5	182.2	196.9	196.9	194.8	174.8	131.6	158.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	857.2	858.3	855.1	862.5	854.1	849.9	837.2	837.2	826.7	818.3	808.8
5°	957.3	963.6	958.3	959.4	942.5	925.7	900.4	885.7	859.3	830.9	801.4
7.5°	1024.7	1035.2	1031.0	1013.1	986.8	951.0	908.8	868.8	825.6	779.3	736.1
10°	1042.6	1054.2	1044.7	1011.0	967.8	917.3	866.7	813.0	760.3	710.9	664.5
12.5°	1017.3	1025.7	1005.7	968.9	926.7	876.2	823.5	777.2	715.1	662.4	608.7
15°	953.1	947.8	945.7	919.4	889.9	848.8	799.3	751.9	694.0	640.3	583.4
17.5°	883.6	877.2	879.4	868.8	864.6	845.7	808.8	768.8	717.2	651.9	590.8
20°	822.5	816.2	819.3	824.6	840.4	841.4	835.1	808.8	770.9	702.4	627.7
22.5°	769.8	770.9	781.4	796.2	822.5	856.2	882.5	887.8	861.4	781.4	687.7
25°	754.0	748.8	760.3	784.6	828.8	894.1	953.1	982.6	967.8	887.8	773.0
27.5°	748.8	741.4	754.0	785.6	856.2	947.8	1032.1	1076.3	1081.5	999.4	864.6
30°	748.8	745.6	758.2	799.3	874.1	965.7	1059.4	1125.8	1146.8	1078.4	944.6
32.5°	758.2	760.3	782.5	835.1	912.0	1005.7	1102.6	1174.2	1212.1	1160.5	1008.9
35°	779.3	783.5	815.1	876.2	959.4	1054.2	1142.6	1215.3	1276.4	1249.0	1068.9
37.5°	824.6	830.9	869.9	932.0	1007.8	1093.1	1179.5	1257.4	1345.9	1334.3	1132.1
40°	904.6	904.6	943.6	997.3	1059.4	1124.7	1210.0	1301.6	1410.1	1425.9	1210.0
42.5°	1005.7	1001.5	1026.8	1065.8	1108.9	1163.7	1240.6	1342.7	1470.1	1504.9	1269.0
45°	1144.7	1123.7	1137.4	1146.8	1167.9	1201.6	1270.1	1381.7	1518.6	1563.9	1313.2
47.5°	1308.0	1278.5	1266.9	1249.0	1241.6	1254.3	1313.2	1412.2	1564.9	1614.4	1384.8
50°	1488.1	1459.6	1429.1	1380.6	1338.5	1325.9	1361.7	1453.3	1614.4	1677.6	1463.8
52.5°	1675.5	1655.5	1615.5	1539.7	1459.6	1414.3	1431.2	1521.8	1693.4	1775.6	1557.6
55°	1847.2	1853.5	1805.0	1716.6	1601.8	1532.3	1552.3	1642.9	1836.6	1933.5	1714.5
57.5°	2031.5	2014.6	1976.7	1885.1	1759.8	1685.0	1693.4	1802.9	1996.7	2070.4	1870.3
60°	2153.6	2153.6	2112.5	2043.0	1924.0	1854.5	1867.2	1968.3	2125.2	2132.6	1939.8
62.5°	2232.6	2244.2	2211.5	2162.0	2046.2	1988.3	2031.5	2103.1	2188.4	2127.3	1905.1
65°	2194.7	2207.3	2204.2	2149.4	2067.3	2063.1	2141.0	2157.8	2150.5	2050.4	1785.0
67.5°	2023.0	1997.8	1996.7	1968.3	1951.4	2038.8	2137.8	2143.1	2018.8	1899.8	1595.5
70°	1696.6	1653.4	1636.5	1645.0	1721.8	1885.1	2026.2	1986.2	1788.2	1686.0	1358.5
72.5°	1308.0	1256.4	1245.8	1278.5	1397.5	1627.1	1819.8	1764.0	1470.1	1351.1	1052.1
75°	927.8	905.7	906.7	971.0	1099.5	1320.6	1544.9	1539.7	1088.9	932.0	724.5
77.5°	675.0	679.3	698.2	723.5	834.1	1047.8	1258.5	1244.8	775.1	640.3	506.5
80°	557.1	563.4	563.4	549.7	578.2	691.9	855.1	913.1	519.2	430.7	353.8
82.5°	400.2	431.8	449.7	427.6	417.0	456.0	536.0	573.9	323.3	271.7	247.5
85°	190.6	218.0	224.3	219.0	251.7	287.5	306.5	313.8	176.9	126.4	162.2
87.5°	0.0	0.0	1.1	8.4	23.2	40.0	40.0	61.1	9.5	3.2	7.4
90°	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):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	796.2	782.5	771.9	759.3	748.8	738.2	730.9	715.1	702.4	674.0	666.6
5°	777.2	747.7	727.7	708.7	684.5	667.7	649.8	627.7	603.4	562.4	549.7
7.5°	702.4	665.6	638.2	610.8	579.2	550.8	524.5	495.0	452.8	408.6	391.8
10°	621.3	582.4	544.5	511.8	473.9	442.3	419.1	398.1	364.4	330.7	308.6
12.5°	555.0	510.8	467.6	434.9	414.9	399.1	382.3	365.4	329.6	291.7	265.4
15°	524.5	472.8	434.9	407.6	389.7	370.7	350.7	331.7	289.6	245.4	213.8
17.5°	528.7	469.7	421.2	384.4	360.2	333.8	310.7	286.4	240.1	187.5	159.0
20°	551.8	472.8	406.5	363.3	328.6	294.9	265.4	234.8	178.0	136.9	116.9
22.5°	581.3	483.4	398.1	342.3	299.1	257.0	219.0	183.2	131.6	107.4	97.9
25°	631.9	507.6	396.0	323.3	270.7	220.1	181.1	143.2	106.4	94.8	89.5
27.5°	695.1	535.0	398.1	309.6	246.4	190.6	147.4	119.0	95.8	89.5	85.3
30°	758.2	563.4	388.6	288.6	218.0	163.2	126.4	108.5	94.8	87.4	80.0
32.5°	814.1	584.5	372.8	266.4	192.7	139.0	107.4	92.7	83.2	74.8	72.7
35°	854.1	594.0	354.9	252.7	175.9	124.3	94.8	83.2	73.7	65.3	61.1
37.5°	892.0	595.0	335.9	240.1	169.6	117.9	87.4	76.9	68.5	61.1	56.9
40°	931.0	590.8	325.4	227.5	160.1	114.8	84.2	71.6	66.3	57.9	53.7
42.5°	959.4	583.4	321.2	220.1	151.6	106.4	82.1	70.6	63.2	56.9	51.6
45°	985.7	576.1	321.2	213.8	145.3	101.1	77.9	71.6	61.1	55.8	49.5
47.5°	1017.3	579.2	322.3	208.5	140.1	95.8	73.7	69.5	62.1	54.8	48.4
50°	1071.0	615.0	327.5	205.4	135.9	91.6	70.6	66.3	68.5	53.7	47.4
52.5°	1163.7	671.9	335.9	203.3	131.6	88.5	66.3	64.2	69.5	53.7	46.3
55°	1284.8	729.8	344.4	198.0	125.3	82.1	64.2	60.0	64.2	53.7	45.3
57.5°	1402.7	773.0	351.7	190.6	114.8	75.8	61.1	56.9	59.0	52.7	43.2
60°	1471.2	806.7	359.1	178.0	102.2	68.5	57.9	53.7	52.7	52.7	42.1
62.5°	1490.2	794.0	354.9	162.2	91.6	63.2	54.8	50.5	47.4	53.7	42.1
65°	1430.1	727.7	339.1	148.5	84.2	61.1	51.6	48.4	45.3	46.3	40.0
67.5°	1245.8	611.9	295.9	135.9	83.2	60.0	49.5	46.3	42.1	41.1	37.9
70°	1016.3	480.2	245.4	126.4	82.1	60.0	47.4	43.2	40.0	36.9	34.8
72.5°	781.4	359.1	206.4	122.2	83.2	59.0	44.2	39.0	35.8	33.7	31.6
75°	549.7	253.8	171.7	109.5	77.9	55.8	41.1	34.8	31.6	29.5	27.4
77.5°	398.1	172.7	127.4	88.5	66.3	48.4	35.8	29.5	26.3	25.3	23.2
80°	253.8	106.4	85.3	65.3	48.4	37.9	27.4	23.2	21.1	19.0	17.9
82.5°	146.4	62.1	51.6	44.2	31.6	25.3	20.0	17.9	13.7	12.6	11.6
85°	89.5	39.0	28.4	23.2	20.0	15.8	11.6	10.5	7.4	6.3	5.3
87.5°	20.0	8.4	7.4	5.3	6.3	5.3	3.2	2.1	0.0	0.0	0.0
90°	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):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	655.0	639.2	640.3	637.1	628.7	615.0	610.8	603.4	604.5	608.7	604.5
5°	535.0	516.0	518.1	517.1	508.7	499.2	491.8	482.3	479.2	482.3	477.1
7.5°	379.1	366.5	370.7	380.2	379.1	373.9	367.5	357.0	354.9	356.0	346.5
10°	289.6	277.0	273.8	272.8	270.7	267.5	259.1	250.6	247.5	248.5	242.2
12.5°	242.2	231.7	219.0	207.5	196.9	192.7	182.2	176.9	175.9	175.9	172.7
15°	191.7	183.2	175.9	164.3	155.9	149.5	142.2	138.0	136.9	138.0	138.0
17.5°	143.2	139.0	135.9	134.8	130.6	126.4	122.2	120.1	119.0	119.0	120.1
20°	109.5	108.5	108.5	108.5	113.7	117.9	119.0	115.8	114.8	113.7	112.7
22.5°	94.8	93.7	94.8	101.1	97.9	94.8	94.8	94.8	94.8	94.8	95.8
25°	87.4	88.5	89.5	86.4	83.2	81.1	80.0	80.0	79.0	79.0	80.0
27.5°	83.2	82.1	81.1	79.0	76.9	73.7	72.7	71.6	71.6	71.6	71.6
30°	77.9	76.9	75.8	73.7	70.6	66.3	65.3	65.3	64.2	65.3	65.3
32.5°	71.6	70.6	69.5	67.4	64.2	62.1	61.1	59.0	59.0	59.0	60.0
35°	57.9	56.9	56.9	57.9	57.9	56.9	56.9	54.8	54.8	54.8	54.8
37.5°	53.7	52.7	52.7	51.6	52.7	53.7	52.7	51.6	51.6	50.5	50.5
40°	50.5	50.5	49.5	48.4	48.4	50.5	49.5	48.4	47.4	47.4	47.4
42.5°	48.4	47.4	47.4	46.3	46.3	46.3	45.3	44.2	43.2	43.2	43.2
45°	46.3	46.3	45.3	44.2	43.2	43.2	41.1	40.0	40.0	40.0	41.1
47.5°	45.3	44.2	44.2	43.2	42.1	40.0	39.0	37.9	37.9	37.9	37.9
50°	44.2	43.2	42.1	42.1	40.0	39.0	37.9	36.9	36.9	36.9	36.9
52.5°	43.2	42.1	41.1	40.0	39.0	37.9	36.9	35.8	35.8	35.8	35.8
55°	41.1	40.0	40.0	39.0	39.0	37.9	36.9	35.8	35.8	35.8	34.8
57.5°	40.0	39.0	37.9	37.9	37.9	36.9	35.8	34.8	34.8	34.8	34.8
60°	39.0	37.9	37.9	36.9	36.9	35.8	35.8	34.8	33.7	33.7	32.6
62.5°	37.9	36.9	36.9	35.8	36.9	35.8	34.8	33.7	32.6	32.6	31.6
65°	36.9	35.8	35.8	35.8	34.8	34.8	33.7	31.6	31.6	31.6	30.5
67.5°	34.8	33.7	33.7	34.8	33.7	32.6	32.6	30.5	30.5	29.5	29.5
70°	31.6	31.6	31.6	32.6	31.6	30.5	30.5	29.5	28.4	27.4	27.4
72.5°	29.5	28.4	29.5	29.5	29.5	28.4	29.5	27.4	26.3	25.3	25.3
75°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	24.2	23.2	22.1
77.5°	20.0	21.1	21.1	21.1	21.1	22.1	21.1	21.1	21.1	20.0	19.0
80°	14.7	14.7	15.8	16.8	15.8	16.8	15.8	16.8	15.8	15.8	15.8
82.5°	8.4	8.4	9.5	10.5	10.5	11.6	9.5	10.5	10.5	11.6	10.5
85°	3.2	3.2	3.2	3.2	4.2	4.2	3.2	4.2	4.2	5.3	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	612.9	612.9	600.3	602.4	604.5	608.7	606.6	605.5	604.5	610.8	614.0
5°	481.3	480.2	464.4	463.4	466.5	467.6	464.4	459.2	456.0	457.1	460.2
7.5°	349.6	346.5	331.7	329.6	328.6	329.6	326.5	321.2	317.0	318.0	321.2
10°	244.3	235.9	233.8	234.8	237.0	239.1	239.1	239.1	240.1	246.4	253.8
12.5°	176.9	173.8	175.9	178.0	182.2	185.3	188.5	189.6	190.6	199.0	205.4
15°	140.1	140.1	142.2	143.2	145.3	147.4	149.5	149.5	150.6	153.8	159.0
17.5°	121.1	121.1	121.1	121.1	121.1	120.1	119.0	116.9	115.8	114.8	115.8
20°	111.6	110.6	108.5	107.4	105.3	103.2	102.2	99.0	97.9	94.8	93.7
22.5°	95.8	94.8	94.8	94.8	94.8	93.7	92.7	91.6	89.5	86.4	84.2
25°	79.0	79.0	79.0	80.0	80.0	81.1	83.2	83.2	83.2	83.2	80.0
27.5°	71.6	71.6	71.6	71.6	72.7	72.7	73.7	73.7	73.7	74.8	75.8
30°	65.3	66.3	66.3	67.4	67.4	68.5	68.5	69.5	69.5	70.6	70.6
32.5°	60.0	60.0	61.1	62.1	62.1	62.1	64.2	64.2	63.2	64.2	64.2
35°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	51.6	50.5	51.6
37.5°	49.5	48.4	48.4	47.4	46.3	46.3	46.3	47.4	46.3	47.4	47.4
40°	45.3	45.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	45.3	46.3
42.5°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	43.2	43.2
45°	40.0	40.0	40.0	40.0	41.1	41.1	41.1	41.1	41.1	41.1	42.1
47.5°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	40.0	41.1
50°	36.9	36.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	39.0	40.0
52.5°	35.8	35.8	35.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.9
55°	34.8	35.8	35.8	35.8	35.8	35.8	34.8	34.8	34.8	34.8	35.8
57.5°	33.7	33.7	34.8	34.8	34.8	33.7	33.7	32.6	32.6	32.6	34.8
60°	32.6	32.6	32.6	32.6	32.6	31.6	31.6	31.6	31.6	32.6	32.6
62.5°	31.6	31.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
65°	30.5	30.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
67.5°	28.4	28.4	28.4	27.4	27.4	27.4	27.4	28.4	27.4	27.4	27.4
70°	26.3	26.3	26.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
72.5°	24.2	24.2	24.2	24.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
75°	22.1	21.1	21.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	19.0	17.9	17.9	17.9	16.8	16.8	16.8	16.8	16.8	16.8	16.8
80°	15.8	14.7	14.7	13.7	13.7	13.7	13.7	13.7	13.7	12.6	12.6
82.5°	11.6	10.5	10.5	10.5	10.5	9.5	9.5	9.5	9.5	8.4	7.4
85°	5.3	5.3	4.2	5.3	5.3	6.3	5.3	5.3	5.3	4.2	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	0°
2.5°	611.9	622.4	623.4	617.1	629.8	631.9	628.7	628.7	630.8	639.2	639.2	2.5°
5°	456.0	469.7	468.6	460.2	477.1	482.3	479.2	480.2	484.4	493.9	499.2	5°
7.5°	322.3	333.8	332.8	331.7	342.3	346.5	348.6	351.7	364.4	365.4	371.7	7.5°
10°	261.2	271.7	274.9	282.2	285.4	291.7	295.9	301.2	311.7	317.0	324.4	10°
12.5°	211.7	224.3	227.5	235.9	240.1	247.5	251.7	262.2	268.5	274.9	284.3	12.5°
15°	163.2	173.8	176.9	183.2	187.5	195.9	200.1	206.4	219.0	225.4	238.0	15°
17.5°	120.1	126.4	128.5	132.7	135.9	139.0	147.4	158.0	165.3	175.9	182.2	17.5°
20°	93.7	95.8	96.9	97.9	100.0	102.2	106.4	113.7	117.9	126.4	132.7	20°
22.5°	84.2	85.3	85.3	86.4	86.4	87.4	89.5	91.6	93.7	96.9	100.0	22.5°
25°	77.9	79.0	79.0	80.0	80.0	81.1	82.1	83.2	85.3	86.4	87.4	25°
27.5°	74.8	74.8	74.8	74.8	75.8	75.8	76.9	79.0	79.0	81.1	82.1	27.5°
30°	71.6	71.6	71.6	72.7	73.7	75.8	77.9	81.1	82.1	84.2	85.3	30°
32.5°	66.3	64.2	66.3	65.3	63.2	63.2	64.2	66.3	66.3	67.4	68.5	32.5°
35°	51.6	51.6	52.7	53.7	53.7	54.8	55.8	56.9	57.9	60.0	61.1	35°
37.5°	48.4	49.5	49.5	50.5	51.6	51.6	52.7	54.8	55.8	56.9	57.9	37.5°
40°	46.3	47.4	48.4	49.5	49.5	50.5	51.6	52.7	53.7	55.8	56.9	40°
42.5°	44.2	46.3	46.3	47.4	48.4	49.5	50.5	51.6	53.7	54.8	55.8	42.5°
45°	43.2	44.2	45.3	46.3	47.4	48.4	49.5	51.6	52.7	54.8	55.8	45°
47.5°	42.1	43.2	44.2	45.3	46.3	47.4	48.4	50.5	52.7	54.8	56.9	47.5°
50°	40.0	42.1	43.2	44.2	45.3	46.3	48.4	50.5	52.7	55.8	61.1	50°
52.5°	39.0	41.1	41.1	43.2	44.2	46.3	48.4	50.5	53.7	57.9	63.2	52.5°
55°	36.9	39.0	39.0	41.1	43.2	45.3	46.3	49.5	52.7	56.9	57.9	55°
57.5°	34.8	36.9	37.9	39.0	41.1	43.2	44.2	47.4	51.6	52.7	51.6	57.5°
60°	33.7	34.8	35.8	36.9	39.0	40.0	43.2	49.5	53.7	49.5	44.2	60°
62.5°	31.6	33.7	34.8	35.8	37.9	39.0	41.1	45.3	46.3	41.1	40.0	62.5°
65°	30.5	32.6	32.6	34.8	35.8	35.8	36.9	36.9	36.9	36.9	36.9	65°
67.5°	28.4	30.5	30.5	31.6	32.6	32.6	33.7	33.7	33.7	33.7	33.7	67.5°
70°	26.3	27.4	28.4	29.5	29.5	29.5	30.5	30.5	30.5	31.6	31.6	70°
72.5°	24.2	25.3	25.3	26.3	26.3	27.4	27.4	28.4	28.4	28.4	29.5	72.5°
75°	20.0	21.1	22.1	23.2	23.2	24.2	24.2	24.2	24.2	25.3	25.3	75°
77.5°	16.8	16.8	19.0	19.0	20.0	20.0	21.1	21.1	21.1	21.1	21.1	77.5°
80°	12.6	12.6	13.7	14.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	80°
82.5°	7.4	7.4	8.4	8.4	9.5	9.5	10.5	9.5	9.5	8.4	8.4	82.5°
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	0°	736.1
655.0	655.0	657.1	665.6	667.7	672.9	671.9	681.4	685.6	710.9	737.2	2.5°	762.5
518.1	522.3	528.7	539.2	545.5	557.1	555.0	573.9	577.1	623.4	668.7	5°	721.4
386.5	392.8	398.1	409.7	419.1	430.7	433.9	456.0	462.3	523.4	586.6	7.5°	659.2
334.9	340.2	347.5	354.9	364.4	369.6	378.1	388.6	396.0	441.3	513.9	10°	597.1
298.0	305.4	312.8	323.3	332.8	342.3	350.7	361.2	370.7	407.6	464.4	12.5°	560.3
252.7	261.2	269.6	281.2	294.9	304.4	313.8	325.4	337.0	382.3	448.6	15°	545.5
195.9	205.4	216.9	232.7	247.5	259.1	268.5	284.3	299.1	353.8	441.3	17.5°	560.3
144.3	152.7	163.2	176.9	187.5	207.5	218.0	237.0	254.9	323.3	430.7	20°	588.7
106.4	111.6	120.1	130.6	142.2	160.1	171.7	188.5	208.5	294.9	430.7	22.5°	637.1
89.5	91.6	94.8	101.1	108.5	121.1	132.7	149.5	169.6	269.6	442.3	25°	716.1
83.2	84.2	86.4	89.5	93.7	100.0	108.5	122.2	142.2	249.6	459.2	27.5°	800.4
87.4	87.4	87.4	88.5	90.6	93.7	97.9	106.4	119.0	220.1	470.7	30°	874.1
70.6	71.6	71.6	73.7	74.8	79.0	83.2	89.5	101.1	202.2	478.1	32.5°	926.7
63.2	64.2	65.3	66.3	68.5	69.5	73.7	81.1	92.7	190.6	477.1	35°	988.9
60.0	61.1	62.1	62.1	63.2	65.3	68.5	75.8	89.5	186.4	477.1	37.5°	1060.5
59.0	59.0	59.0	59.0	61.1	63.2	68.5	75.8	87.4	182.2	480.2	40°	1139.5
56.9	56.9	56.9	57.9	61.1	65.3	67.4	71.6	81.1	180.1	485.5	42.5°	1211.1
56.9	56.9	57.9	62.1	63.2	63.2	64.2	67.4	76.9	180.1	496.0	45°	1266.9
59.0	61.1	62.1	61.1	60.0	60.0	60.0	64.2	73.7	183.2	516.0	47.5°	1331.1
64.2	63.2	59.0	57.9	57.9	55.8	56.9	61.1	72.7	183.2	557.1	50°	1419.6
63.2	59.0	57.9	55.8	53.7	52.7	53.7	60.0	71.6	181.1	616.1	52.5°	1549.1
56.9	55.8	52.7	50.5	49.5	50.5	52.7	57.9	69.5	179.0	688.7	55°	1706.0
49.5	48.4	46.3	46.3	47.4	48.4	51.6	55.8	64.2	173.8	746.7	57.5°	1850.3
43.2	43.2	43.2	44.2	45.3	46.3	49.5	52.7	59.0	164.3	785.6	60°	1943.0
39.0	40.0	40.0	42.1	43.2	44.2	46.3	49.5	53.7	153.8	794.0	62.5°	1944.0
36.9	37.9	39.0	39.0	40.0	41.1	44.2	47.4	53.7	145.3	742.4	65°	1867.2
34.8	34.8	35.8	36.9	37.9	39.0	41.1	46.3	54.8	138.0	629.8	67.5°	1672.3
31.6	32.6	33.7	34.8	34.8	35.8	39.0	46.3	55.8	134.8	500.2	70°	1412.2
29.5	29.5	30.5	31.6	31.6	33.7	36.9	45.3	56.9	129.5	377.0	72.5°	1101.6
25.3	26.3	26.3	26.3	27.4	29.5	33.7	41.1	49.5	107.4	254.9	75°	746.7
22.1	21.1	22.1	22.1	23.2	24.2	27.4	31.6	36.9	68.5	134.8	77.5°	475.0
15.8	14.7	14.7	15.8	15.8	15.8	17.9	19.0	21.1	42.1	74.8	80°	280.1
8.4	7.4	8.4	7.4	7.4	8.4	8.4	10.5	10.5	20.0	33.7	82.5°	173.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	7.4	85°	70.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

'228481
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TION (continued):

359°	360°
736.1	736.1
775.1	781.4
747.7	756.1
688.7	700.3
634.0	645.6
604.5	610.8
590.8	603.4
610.8	623.4
650.8	670.8
721.4	746.7
833.0	855.1
921.5	956.2
1003.6	1032.1
1068.9	1101.6
1143.7	1175.3
1234.3	1277.4
1328.0	1376.4
1415.4	1469.1
1497.5	1539.7
1560.7	1608.1
1640.8	1696.6
1776.6	1816.6
1940.9	1986.2
2093.6	2132.6
2164.2	2196.8
2166.3	2207.3
2119.9	2166.3
2002.0	2073.6
1770.3	1850.3
1391.2	1482.8
923.6	1003.6
532.9	559.2
314.9	328.6
187.5	201.1
50.5	54.8
0.0	0.0
0.0	0.0

(END OF REPORT)