

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: P200645

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-8030-800
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684 lumens
Efficiency: N/A
Efficacy: 83.7 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): 44
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



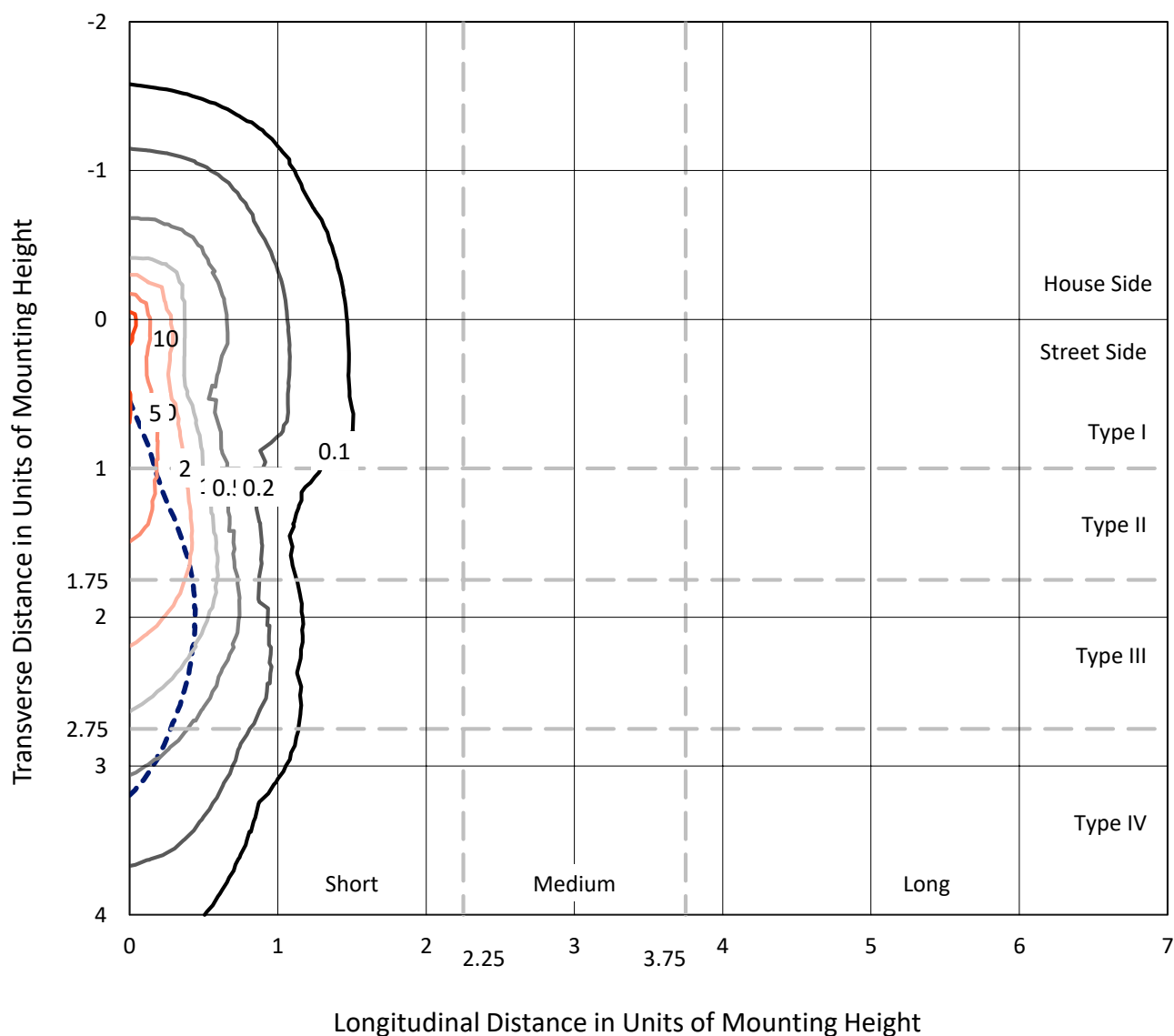
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

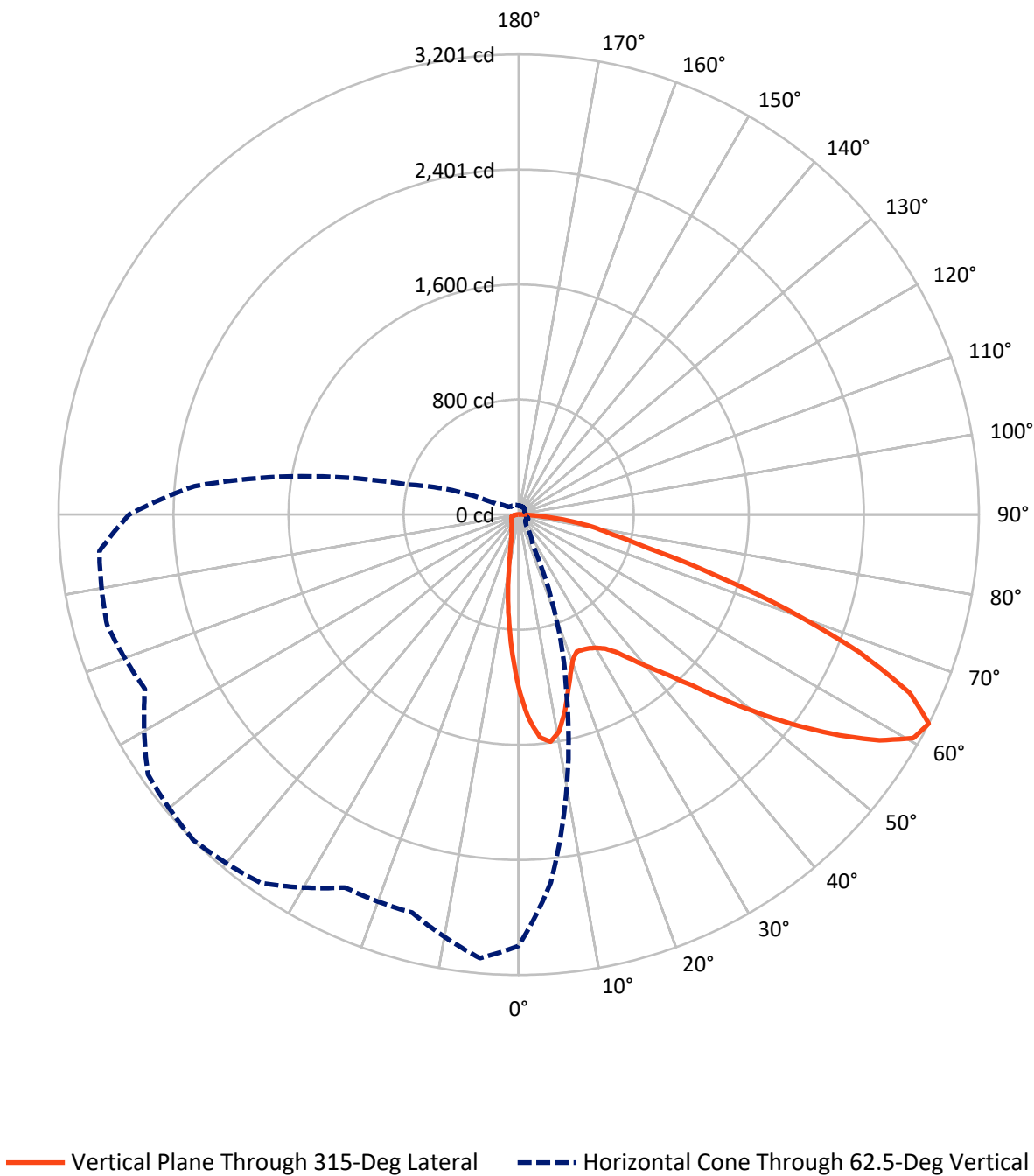


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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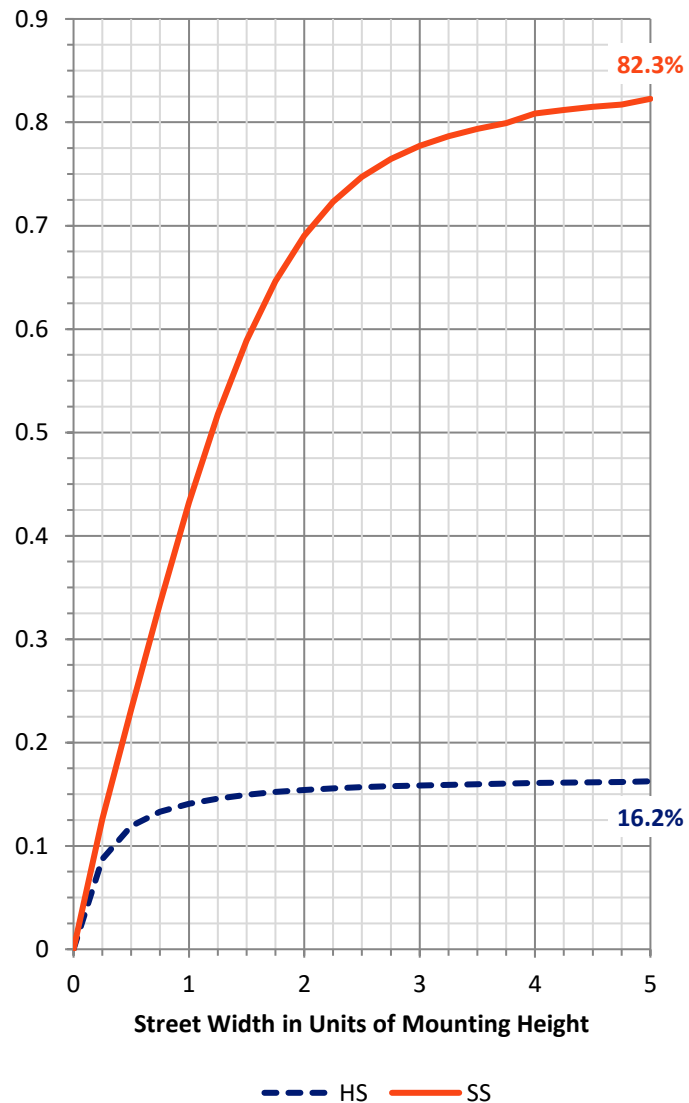
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	609.7	0.0	609.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3074.3	0.0	3074.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	3684.0	0.0	3684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	2.5
10°-20°	166.1	4.5
20°-30°	242.2	6.6
30°-40°	373.1	10.1
40°-50°	549.1	14.9
50°-60°	805.4	21.9
60°-70°	900.3	24.4
70°-80°	440.8	12.0
80°-90°	116.4	3.2
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°	3684.0	100.0
0°-180°	3684.0	100.0

Coefficient of Utilization



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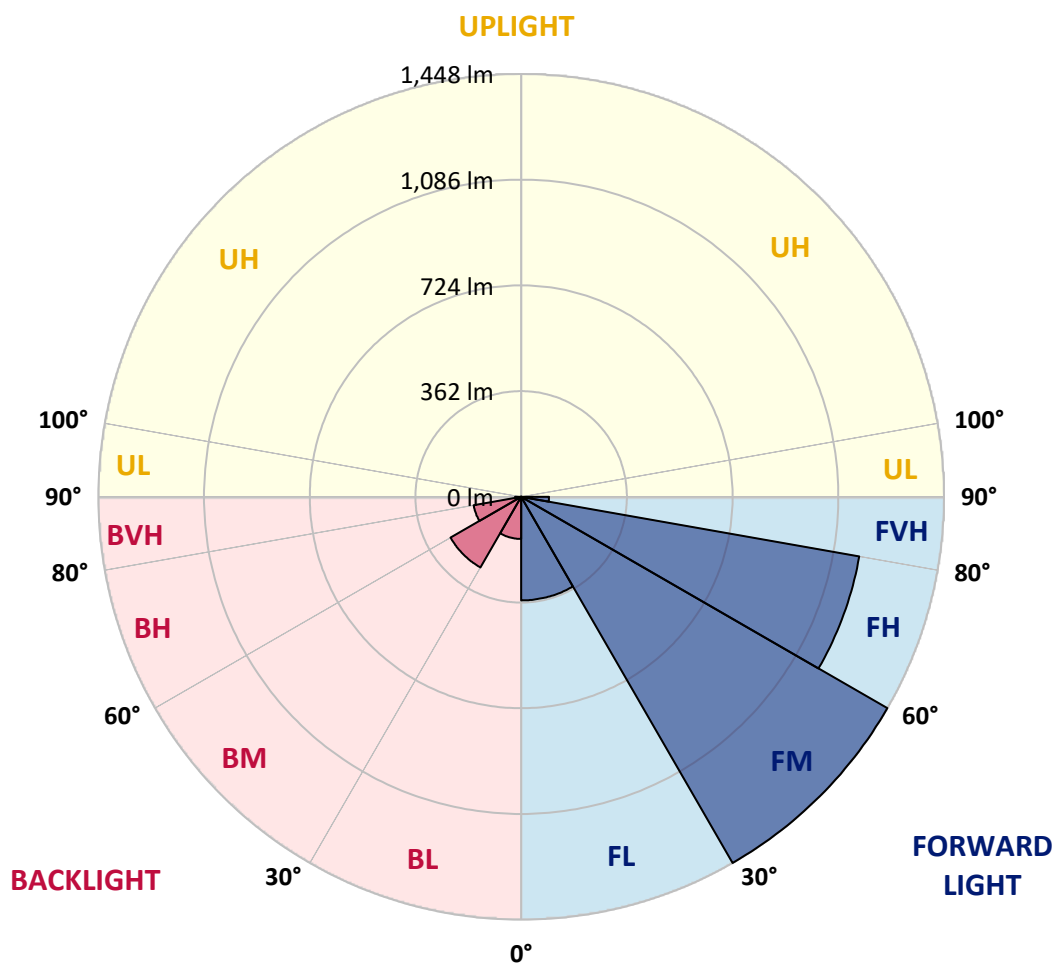
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.8	9.6			
FM	(30°-60°)	1448.2	39.3			
FH	(60°-80°)	1175.8	31.9			G1/1800
FVH	(80°-90°)	95.6	2.6			G1/100
BL	(0°-30°)	144.2	3.9	B1/500		
BM	(30°-60°)	279.3	7.6	B1/1000		
BH	(60°-80°)	165.3	4.5	B1/500		G1/500
BVH	(80°-90°)	20.8	0.6			G1/100
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1293.3	1266.9	1223.2	1177.6	1149.9	1117.5	1092.2	1069.9	1025.3	1016.6	1024.5
5°	1216.1	1163.2	1080.8	997.8	942.5	883.2	837.0	799.9	743.4	733.5	745.5
7.5°	1092.4	1029.2	920.2	814.3	736.1	662.0	612.2	572.5	528.4	509.3	510.5
10°	985.6	914.4	785.6	670.3	606.3	556.3	514.4	473.7	428.9	399.6	391.5
12.5°	925.9	843.9	695.4	592.6	533.2	480.6	435.4	391.9	344.1	314.1	305.6
15°	915.6	826.5	661.6	542.7	468.4	401.8	348.5	299.9	250.7	226.4	221.3
17.5°	960.3	857.6	650.7	498.4	407.5	325.2	259.8	205.6	165.5	153.3	152.3
20°	1046.2	917.6	649.3	456.7	347.3	250.9	181.0	141.6	123.9	120.5	120.7
22.5°	1166.7	1010.5	666.7	425.3	292.0	187.1	136.1	118.5	111.6	108.3	108.3
25°	1322.6	1138.5	706.8	402.4	244.0	149.5	120.1	109.6	103.1	100.9	101.3
27.5°	1473.7	1263.1	753.4	384.4	212.6	135.7	113.8	104.3	98.6	96.4	97.4
30°	1591.6	1373.7	792.2	359.9	196.6	131.8	116.0	106.3	98.2	94.8	95.0
32.5°	1689.2	1470.5	824.8	342.2	182.5	113.0	100.0	95.8	94.8	90.7	88.7
35°	1813.9	1576.0	846.7	342.7	175.8	100.9	89.1	81.6	76.1	71.5	71.5
37.5°	1960.1	1697.1	870.0	347.3	173.4	93.8	85.3	77.8	72.7	68.2	67.4
40°	2104.7	1815.7	891.3	351.8	171.9	89.5	82.2	75.3	70.7	66.2	65.0
42.5°	2227.7	1913.4	910.3	354.0	167.1	89.1	80.0	73.7	69.3	64.4	63.2
45°	2318.6	1995.2	930.8	357.4	162.2	90.7	80.0	73.5	68.0	63.4	62.2
47.5°	2399.8	2091.2	965.0	357.4	156.3	87.7	82.6	73.7	67.8	63.0	62.0
50°	2508.5	2222.8	1029.8	349.1	148.0	84.4	87.1	72.9	66.0	62.2	61.0
52.5°	2658.4	2391.5	1132.7	334.8	135.3	78.2	86.5	72.5	64.2	60.1	58.7
55°	2835.6	2572.1	1244.9	317.9	116.2	73.7	83.4	71.5	62.2	57.7	56.3
57.5°	2973.9	2696.5	1323.8	292.0	99.6	71.3	73.9	70.5	59.7	55.1	53.9
60°	3029.0	2691.6	1345.5	257.4	91.5	69.3	64.6	79.0	57.7	53.1	51.6
62.5°	2999.2	2567.3	1284.8	233.1	89.7	66.6	60.6	73.1	56.1	51.6	49.6
65°	2861.7	2346.9	1123.8	226.6	95.0	64.0	57.9	57.3	53.9	49.6	47.6
67.5°	2562.2	2017.7	899.8	227.2	101.7	61.4	55.3	52.5	50.8	47.4	45.6
70°	2086.9	1595.2	670.7	228.8	105.1	58.3	52.5	49.4	47.6	44.1	42.9
72.5°	1534.5	1229.5	487.2	218.3	105.7	54.9	48.6	46.0	44.1	40.5	39.5
75°	1049.8	940.5	338.0	180.8	92.1	50.0	44.4	41.9	40.7	36.3	35.6
77.5°	766.9	706.0	216.3	134.3	71.1	43.9	39.1	37.3	36.5	31.6	30.8
80°	615.4	558.5	135.3	91.9	52.0	36.9	32.8	31.8	31.0	26.1	25.5
82.5°	426.9	374.0	86.9	59.7	39.1	28.6	25.9	25.5	24.3	19.8	19.2
85°	225.2	203.1	55.1	40.7	28.4	19.6	18.0	18.0	17.4	13.2	12.8
87.5°	28.8	46.8	27.9	21.3	15.6	8.7	8.7	8.5	9.1	7.5	6.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1005.9	1015.6	1006.3	1006.9	1017.2	1048.0	1062.0	1073.5	1085.9	1094.0	1097.6
5°	729.1	751.7	759.4	775.6	799.5	838.8	854.4	865.7	873.2	877.7	879.5
7.5°	498.6	512.4	527.8	553.9	605.9	629.0	639.3	636.7	628.2	625.2	622.1
10°	375.9	370.4	367.6	381.9	424.1	447.4	454.6	447.6	442.9	443.9	449.0
12.5°	291.2	281.7	270.2	268.5	296.3	317.1	321.8	322.2	330.7	338.2	349.3
15°	212.2	211.2	205.6	202.1	217.9	234.9	236.9	240.6	248.3	253.8	263.5
17.5°	149.7	155.1	159.6	161.8	173.8	185.9	183.7	181.9	180.4	180.4	185.1
20°	120.7	124.3	130.0	136.5	148.6	157.2	151.7	144.4	139.1	137.5	138.1
22.5°	108.8	111.6	114.8	120.5	131.4	137.3	131.4	126.2	120.9	119.1	118.5
25°	102.7	106.3	109.4	113.6	121.7	125.8	120.1	116.2	113.0	110.8	109.2
27.5°	99.2	102.5	103.3	105.3	112.2	115.8	113.0	111.4	109.4	107.3	105.3
30°	95.6	95.0	93.6	93.8	99.2	102.9	102.7	103.1	102.9	102.3	101.9
32.5°	87.3	86.1	84.9	86.1	91.1	94.4	94.6	95.4	95.4	95.2	96.8
35°	72.7	74.9	76.3	80.0	86.1	88.9	87.7	85.7	82.0	79.8	79.6
37.5°	67.2	67.6	70.1	75.1	81.8	84.4	82.6	78.0	75.5	75.1	75.7
40°	64.6	65.0	66.4	71.1	77.8	80.4	78.8	75.3	73.1	72.9	73.9
42.5°	62.8	63.2	64.0	67.2	72.7	75.9	76.1	73.7	71.1	71.3	72.3
45°	61.8	62.0	61.8	63.4	68.4	72.3	73.9	72.3	70.1	70.5	71.7
47.5°	61.6	61.0	60.1	60.6	65.8	69.7	71.7	71.1	70.1	70.5	71.5
50°	60.8	59.3	58.3	58.1	63.4	67.4	69.3	69.3	69.7	70.5	71.5
52.5°	58.3	56.7	56.7	56.1	61.8	65.6	66.8	67.0	67.6	69.1	70.5
55°	55.3	54.7	55.3	54.3	60.6	64.2	64.8	65.2	65.6	66.8	68.9
57.5°	52.7	51.8	53.3	52.9	59.5	62.8	62.8	63.6	63.6	65.2	66.8
60°	51.2	49.6	50.2	50.6	58.1	61.6	61.2	62.0	62.4	63.8	65.0
62.5°	49.4	48.0	48.0	49.0	56.5	59.7	59.5	60.1	61.8	62.2	63.4
65°	47.2	46.6	46.0	47.2	54.9	57.7	57.9	58.7	60.1	60.6	61.6
67.5°	45.0	45.2	43.9	45.2	53.5	55.7	55.7	57.3	57.9	58.7	59.7
70°	42.5	42.7	41.7	43.1	52.5	53.5	53.3	55.5	55.9	56.5	57.5
72.5°	39.5	39.5	39.1	41.1	50.8	51.2	50.8	52.7	52.9	53.5	53.9
75°	36.3	36.3	35.8	38.7	49.8	48.8	47.6	49.0	49.4	49.8	49.8
77.5°	32.0	32.4	32.4	35.8	46.4	47.8	43.7	44.6	45.2	45.4	44.8
80°	26.7	27.7	28.1	32.6	38.9	44.1	39.1	39.7	39.9	39.9	39.1
82.5°	20.5	22.3	23.3	28.1	29.8	37.1	34.0	34.6	34.0	32.8	32.4
85°	14.2	16.6	17.8	21.5	22.5	28.6	28.4	28.4	27.1	25.5	25.3
87.5°	7.7	9.1	9.9	12.8	15.4	19.2	20.9	20.3	19.2	18.2	18.4
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1116.7	1144.2	1188.2	1221.8	1255.6	1288.2	1323.4	1350.4	1373.3	1382.2	1409.3
5°	897.9	932.4	973.9	1048.8	1101.9	1160.4	1228.0	1317.6	1352.0	1399.6	1477.5
7.5°	634.9	666.1	732.9	793.5	868.6	951.4	1042.7	1166.3	1211.4	1287.8	1414.8
10°	474.1	510.3	564.0	615.0	681.3	765.9	870.8	1008.9	1063.8	1146.6	1292.9
12.5°	381.9	424.7	481.6	529.6	580.8	640.6	742.4	893.9	967.4	1039.9	1187.7
15°	293.4	338.2	391.1	452.0	508.5	572.9	679.6	845.3	929.9	1005.5	1131.7
17.5°	203.1	241.4	308.0	371.6	443.9	526.3	662.2	855.6	956.7	1043.8	1141.4
20°	144.0	165.9	220.5	294.3	384.4	487.9	659.0	909.9	1041.3	1140.8	1203.7
22.5°	121.1	129.2	161.0	228.6	332.7	459.1	670.3	986.0	1155.5	1282.5	1303.2
25°	110.4	115.2	131.8	179.4	286.8	438.2	708.6	1099.5	1296.9	1424.3	1420.6
27.5°	104.5	109.6	120.5	151.5	252.1	425.3	746.9	1233.9	1458.5	1578.2	1532.8
30°	102.7	109.6	121.1	142.8	227.4	404.8	778.3	1352.0	1582.9	1682.1	1583.9
32.5°	101.3	102.3	107.5	123.1	203.9	380.9	799.5	1457.9	1704.6	1780.9	1657.4
35°	81.8	86.9	95.4	110.4	190.2	366.6	799.5	1549.2	1824.5	1880.8	1727.4
37.5°	78.8	83.2	90.7	103.5	182.5	359.5	783.5	1637.3	1947.0	1994.0	1785.2
40°	77.2	80.8	87.9	98.2	179.2	351.4	760.2	1715.1	2066.7	2107.4	1839.0
42.5°	75.9	79.2	85.9	95.0	175.0	342.5	741.4	1777.5	2170.5	2204.2	1890.5
45°	75.3	78.8	86.1	96.6	166.5	330.7	735.1	1844.9	2256.0	2285.0	1946.2
47.5°	75.3	79.4	87.1	100.0	156.3	318.6	754.8	1933.8	2336.8	2351.0	2011.8
50°	74.7	79.2	89.9	96.6	141.6	303.2	800.9	2045.8	2424.3	2425.9	2094.8
52.5°	73.5	78.8	96.8	94.6	124.5	282.9	863.3	2189.6	2553.7	2563.4	2224.8
55°	72.1	78.2	95.0	89.9	110.6	258.8	914.4	2364.4	2735.6	2762.5	2416.0
57.5°	70.3	77.4	91.9	83.4	101.5	227.8	932.8	2492.3	2862.5	2930.2	2631.5
60°	68.7	76.8	83.0	79.6	95.8	201.7	897.1	2467.0	2853.8	2999.6	2822.4
62.5°	67.0	77.4	75.7	77.2	93.2	184.9	804.0	2264.3	2709.4	2928.0	2964.0
65°	65.2	71.9	71.5	75.1	92.5	178.2	666.5	1960.3	2430.4	2701.3	2997.4
67.5°	62.8	66.4	68.4	72.5	94.6	172.3	537.9	1617.1	2042.6	2361.7	2823.3
70°	60.1	63.2	65.4	69.3	93.4	169.7	447.4	1275.2	1620.7	1935.6	2479.6
72.5°	56.7	59.3	61.4	65.0	92.1	168.3	377.9	1027.0	1210.0	1437.9	2016.0
75°	52.7	55.1	56.5	60.1	88.3	154.1	297.1	869.0	905.4	1000.2	1605.7
77.5°	48.0	49.8	51.0	55.1	78.2	128.2	214.9	670.3	703.1	726.2	1231.1
80°	42.5	44.4	45.0	48.8	64.8	100.2	140.1	495.1	525.9	531.2	804.0
82.5°	36.3	38.1	38.1	41.7	53.1	72.1	91.9	339.2	345.3	363.1	568.3
85°	29.2	30.6	30.6	32.4	41.1	53.9	63.2	170.3	168.5	192.4	492.3
87.5°	20.9	21.9	22.9	23.3	29.4	35.6	38.1	51.8	34.2	39.3	316.1
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1429.8	1441.3	1429.5	1421.0	1384.4	1354.2	1313.9	1293.3
5°	1536.9	1566.2	1556.3	1520.7	1444.1	1358.1	1260.2	1216.1
7.5°	1523.9	1592.2	1593.8	1527.2	1414.4	1287.6	1155.1	1092.4
10°	1423.1	1510.4	1535.3	1470.7	1351.0	1209.2	1057.3	985.6
12.5°	1310.5	1395.9	1415.0	1392.7	1292.6	1150.3	996.2	925.9
15°	1218.3	1256.6	1279.3	1298.7	1242.6	1126.8	992.7	915.6
17.5°	1162.2	1158.0	1164.5	1198.3	1207.8	1153.7	1045.4	960.3
20°	1142.0	1077.0	1075.4	1121.9	1191.4	1217.9	1148.3	1046.2
22.5°	1153.1	1047.8	1034.4	1089.7	1200.1	1310.5	1283.1	1166.7
25°	1191.6	1050.2	1039.5	1093.0	1231.7	1409.1	1428.7	1322.6
27.5°	1252.1	1065.6	1051.5	1106.3	1273.6	1491.9	1572.1	1473.7
30°	1309.7	1092.4	1074.7	1132.7	1311.9	1524.7	1660.0	1591.6
32.5°	1379.5	1142.4	1111.4	1181.1	1359.3	1577.0	1738.4	1689.2
35°	1448.0	1213.7	1175.2	1255.8	1412.1	1642.0	1827.9	1813.9
37.5°	1523.1	1306.8	1275.0	1352.4	1484.4	1703.3	1942.1	1960.1
40°	1603.3	1430.4	1392.7	1493.3	1596.6	1780.3	2061.4	2104.7
42.5°	1684.1	1567.5	1522.5	1624.6	1720.0	1856.2	2163.5	2227.7
45°	1776.7	1716.3	1695.0	1805.4	1838.4	1928.5	2238.8	2318.6
47.5°	1884.4	1885.2	1919.4	1963.6	1957.9	2010.4	2314.5	2399.8
50°	2010.2	2096.0	2171.6	2200.9	2081.0	2098.3	2419.6	2508.5
52.5°	2161.2	2348.2	2441.7	2422.5	2213.7	2205.6	2586.1	2658.4
55°	2350.2	2615.1	2708.0	2694.3	2366.2	2351.8	2793.5	2835.6
57.5°	2568.9	2873.7	2959.1	2897.2	2549.3	2512.2	2965.0	2973.9
60°	2761.1	3078.6	3153.6	3084.9	2733.9	2682.9	3072.1	3029.0
62.5°	2868.0	3148.1	3200.7	3126.8	2860.5	2864.8	3095.6	2999.2
65°	2820.2	2972.5	2989.5	2983.4	2827.9	2970.3	3011.2	2861.7
67.5°	2558.6	2528.6	2557.1	2596.6	2548.4	2831.4	2777.3	2562.2
70°	2097.6	1933.0	1989.9	2016.4	2038.3	2436.5	2410.5	2086.9
72.5°	1580.8	1354.2	1399.2	1393.7	1495.0	1954.3	1874.7	1534.5
75°	1120.1	918.2	923.9	921.6	1043.2	1529.0	1357.5	1049.8
77.5°	783.7	665.3	668.3	680.9	701.3	1153.1	969.8	766.9
80°	538.9	504.9	521.7	522.7	486.0	774.6	716.5	615.4
82.5°	401.4	351.0	346.9	352.8	380.9	627.6	550.6	426.9
85°	328.7	207.8	167.1	209.4	337.6	621.5	365.7	225.2
87.5°	185.1	98.6	44.6	82.6	134.7	411.5	105.7	28.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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