

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: P200643

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200643
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-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA 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: 3004 lumens
Efficiency: N/A
Efficacy: 88.4 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): 34
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



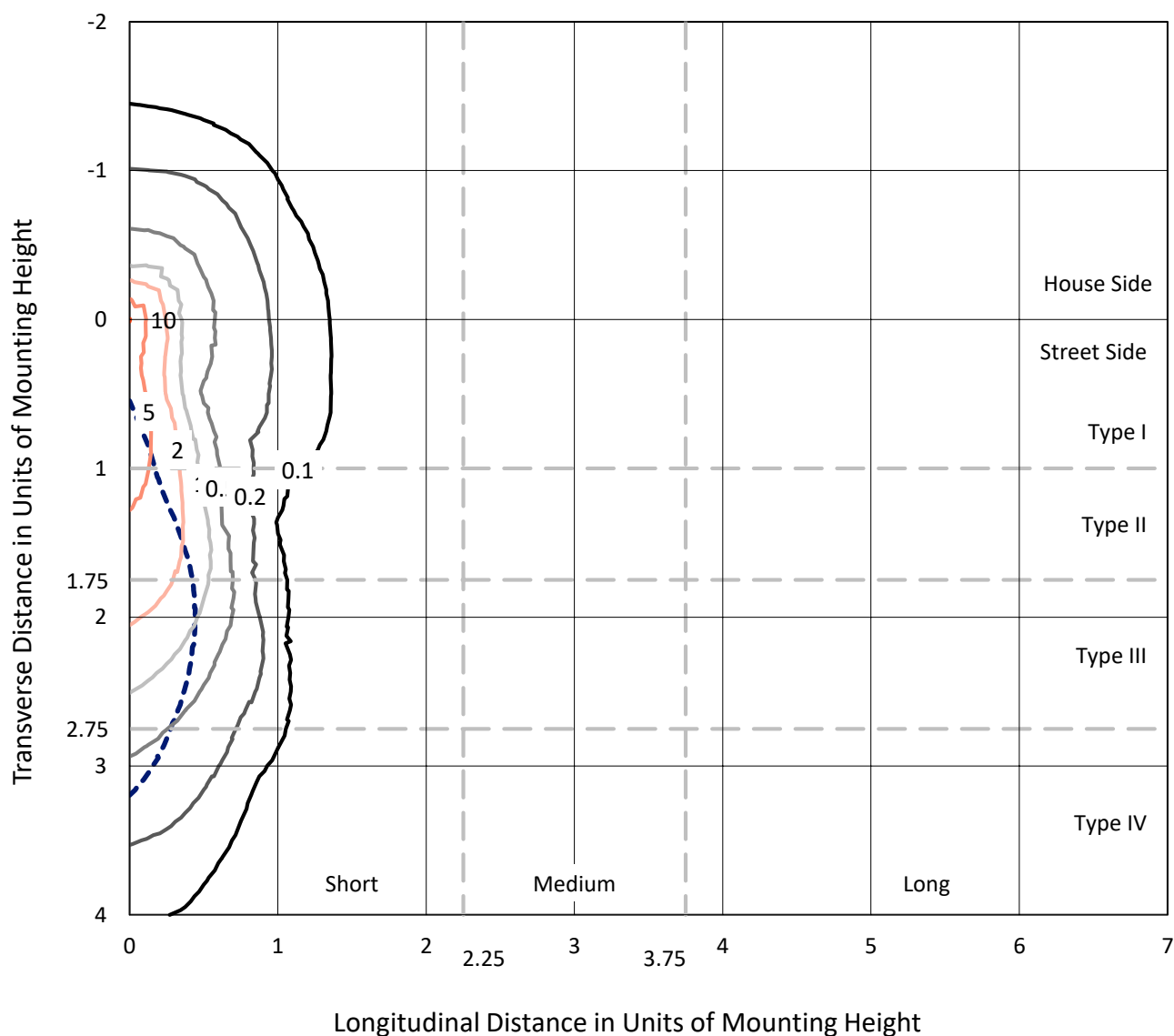
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

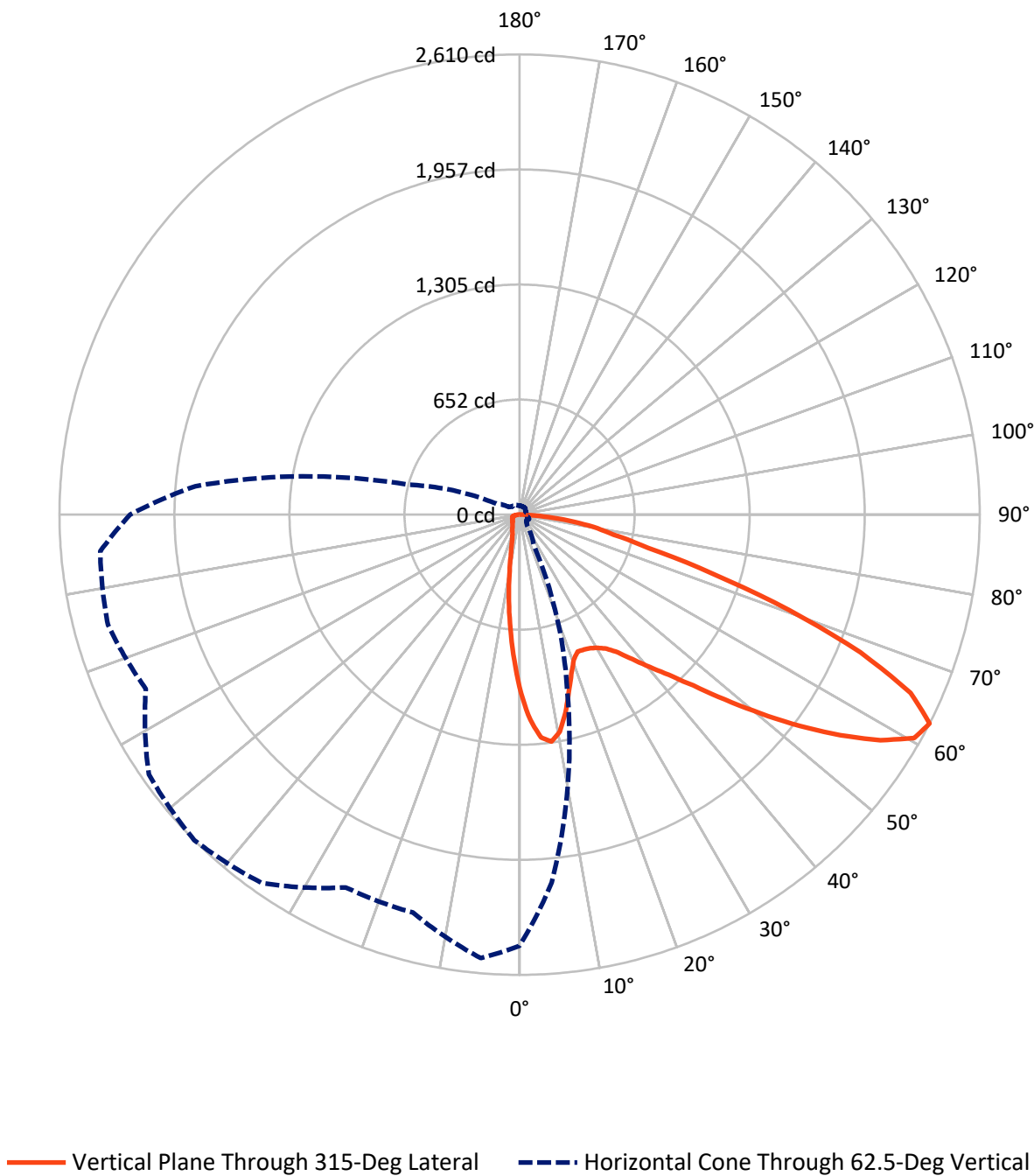


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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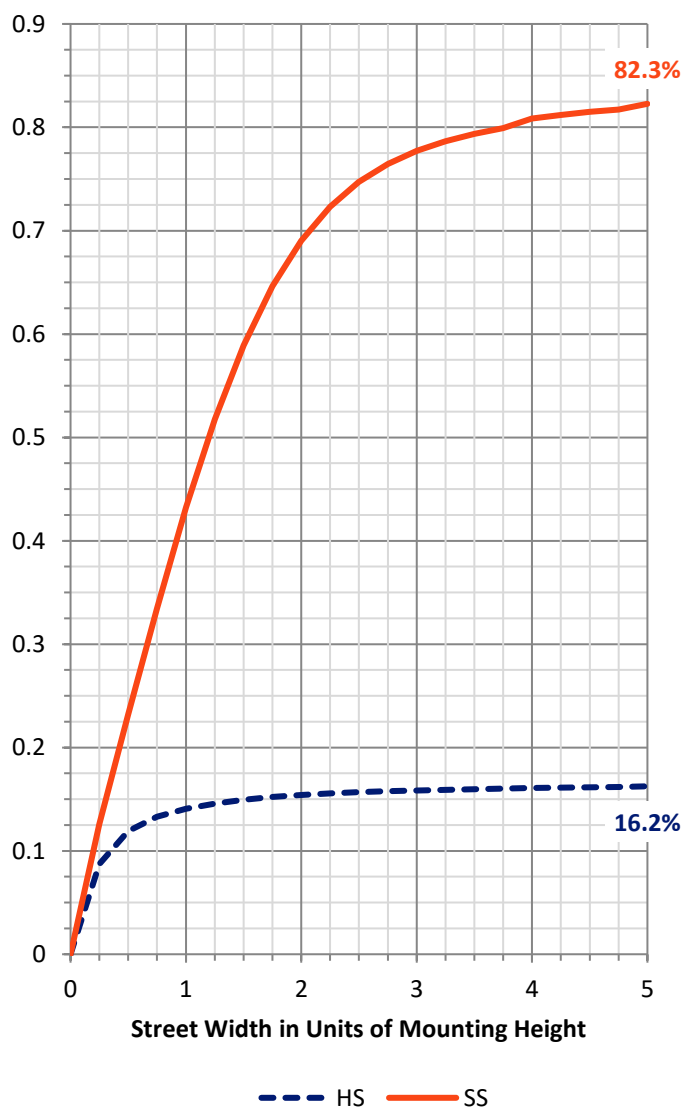
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.1	0.0	497.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2506.9	0.0	2506.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	3004.0	0.0	3004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	2.5
10°-20°	135.5	4.5
20°-30°	197.5	6.6
30°-40°	304.2	10.1
40°-50°	447.7	14.9
50°-60°	656.7	21.9
60°-70°	734.1	24.4
70°-80°	359.4	12.0
80°-90°	94.9	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°	3004.0	100.0
0°-180°	3004.0	100.0

Coefficient of Utilization



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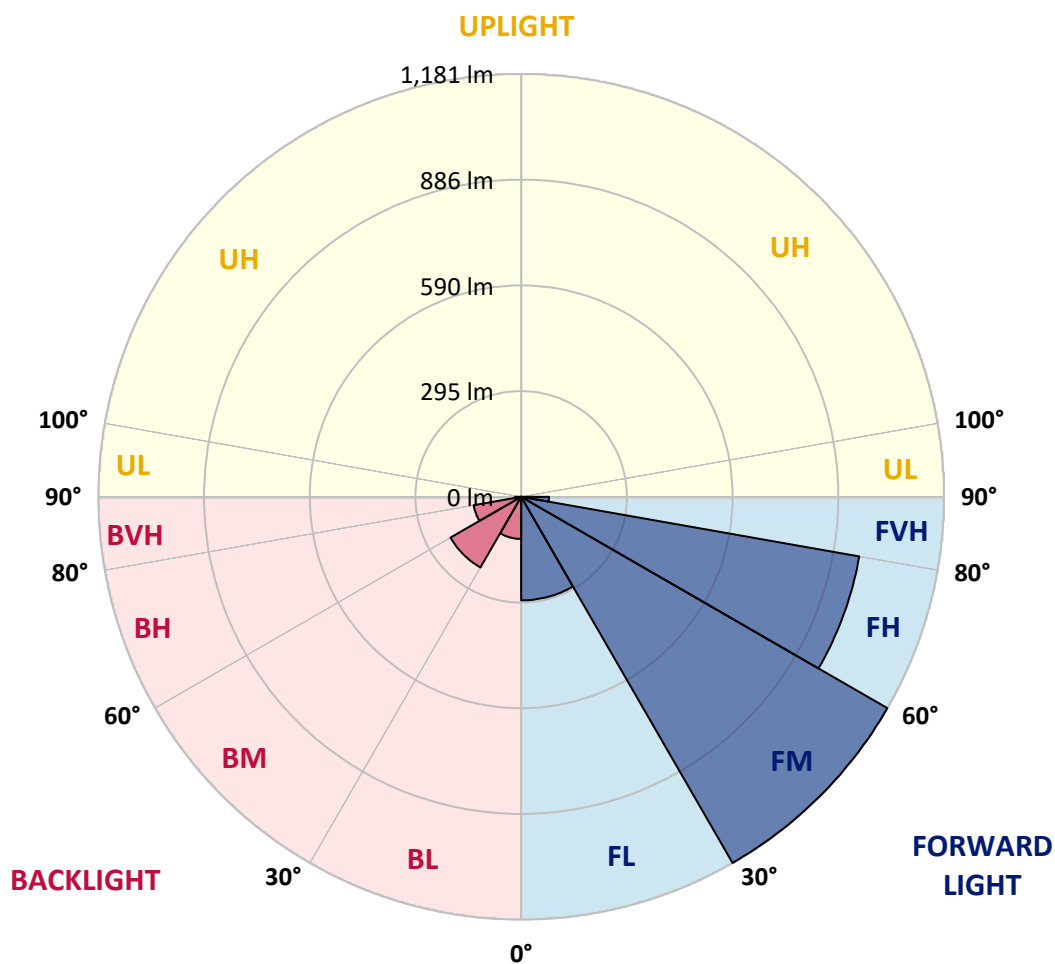
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.3	9.6			
FM	(30°-60°)	1180.9	39.3			
FH	(60°-80°)	958.8	31.9			G1/1800
FVH	(80°-90°)	77.9	2.6			G1/100
BL	(0°-30°)	117.6	3.9	B1/500		
BM	(30°-60°)	227.8	7.6	B1/1000		
BH	(60°-80°)	134.8	4.5	B1/500		G1/500
BVH	(80°-90°)	17.0	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°	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9
2.5°	1054.5	1033.1	997.4	960.3	937.6	911.2	890.6	872.4	836.1	829.0	835.4
5°	991.6	948.5	881.3	813.6	768.5	720.1	682.5	652.3	606.2	598.1	607.9
7.5°	890.7	839.2	750.4	664.0	600.3	539.8	499.2	466.8	430.8	415.3	416.3
10°	803.7	745.6	640.6	546.6	494.4	453.6	419.4	386.2	349.8	325.8	319.2
12.5°	755.0	688.1	567.1	483.2	434.8	391.9	355.0	319.5	280.6	256.1	249.2
15°	746.6	673.9	539.5	442.6	382.0	327.6	284.2	244.6	204.4	184.6	180.5
17.5°	783.1	699.3	530.6	406.4	332.2	265.2	211.9	167.6	134.9	125.0	124.2
20°	853.1	748.2	529.4	372.4	283.2	204.6	147.6	115.4	101.1	98.3	98.4
22.5°	951.3	824.0	543.6	346.8	238.1	152.6	111.0	96.6	91.0	88.3	88.3
25°	1078.5	928.4	576.3	328.1	199.0	121.9	97.9	89.3	84.1	82.2	82.6
27.5°	1201.7	1029.9	614.3	313.4	173.4	110.6	92.8	85.0	80.4	78.6	79.4
30°	1297.8	1120.1	646.0	293.4	160.3	107.5	94.6	86.7	80.1	77.3	77.4
32.5°	1377.4	1199.0	672.6	279.1	148.8	92.1	81.6	78.1	77.3	74.0	72.3
35°	1479.1	1285.1	690.4	279.4	143.3	82.2	72.7	66.5	62.1	58.3	58.3
37.5°	1598.3	1383.8	709.4	283.2	141.4	76.5	69.5	63.4	59.3	55.7	55.0
40°	1716.2	1480.6	726.8	286.8	140.2	73.0	67.0	61.4	57.6	54.0	53.0
42.5°	1816.5	1560.2	742.3	288.7	136.2	72.7	65.2	60.1	56.5	52.5	51.5
45°	1890.6	1626.9	759.0	291.5	132.3	74.0	65.2	59.9	55.5	51.7	50.7
47.5°	1956.8	1705.2	786.9	291.5	127.5	71.5	67.4	60.1	55.3	51.4	50.5
50°	2045.5	1812.5	839.7	284.7	120.7	68.9	71.0	59.4	53.8	50.7	49.7
52.5°	2167.7	1950.1	923.6	273.0	110.3	63.7	70.5	59.1	52.3	49.0	47.9
55°	2312.2	2097.4	1015.1	259.3	94.8	60.1	68.0	58.3	50.7	47.1	45.9
57.5°	2425.0	2198.8	1079.5	238.1	81.2	58.1	60.3	57.5	48.7	44.9	43.9
60°	2469.9	2194.8	1097.1	209.9	74.6	56.5	52.7	64.4	47.1	43.3	42.1
62.5°	2445.6	2093.4	1047.6	190.1	73.2	54.3	49.4	59.6	45.7	42.1	40.5
65°	2333.5	1913.7	916.3	184.8	77.4	52.2	47.2	46.7	43.9	40.5	38.8
67.5°	2089.3	1645.2	733.7	185.3	82.9	50.0	45.1	42.8	41.4	38.6	37.2
70°	1701.7	1300.8	546.9	186.6	85.7	47.6	42.8	40.3	38.8	36.0	35.0
72.5°	1251.2	1002.5	397.3	178.0	86.2	44.8	39.6	37.5	36.0	33.0	32.2
75°	856.1	766.9	275.6	147.5	75.1	40.8	36.2	34.2	33.2	29.6	29.1
77.5°	625.4	575.7	176.4	109.5	58.0	35.8	31.9	30.4	29.7	25.8	25.1
80°	501.8	455.4	110.3	75.0	42.4	30.1	26.8	25.9	25.3	21.3	20.8
82.5°	348.1	305.0	70.8	48.7	31.9	23.3	21.1	20.8	19.8	16.2	15.7
85°	183.6	165.6	44.9	33.2	23.1	16.0	14.7	14.7	14.2	10.7	10.4
87.5°	23.4	38.1	22.8	17.3	12.7	7.1	7.1	6.9	7.4	6.1	5.3
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°	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9
2.5°	820.2	828.1	820.6	821.0	829.5	854.6	866.0	875.4	885.4	892.1	895.0
5°	594.5	613.0	619.3	632.5	651.9	684.0	696.7	705.9	712.1	715.7	717.2
7.5°	406.6	417.8	430.3	451.6	494.1	512.9	521.3	519.2	512.2	509.8	507.3
10°	306.5	302.0	299.7	311.4	345.8	364.8	370.7	364.9	361.1	362.0	366.1
12.5°	237.5	229.7	220.3	219.0	241.6	258.6	262.4	262.7	269.7	275.8	284.9
15°	173.1	172.2	167.6	164.8	177.7	191.6	193.2	196.2	202.5	206.9	214.8
17.5°	122.0	126.5	130.1	131.9	141.7	151.6	149.8	148.3	147.1	147.1	150.9
20°	98.4	101.4	106.0	111.3	121.2	128.1	123.7	117.7	113.4	112.1	112.6
22.5°	88.7	91.0	93.6	98.3	107.2	112.0	107.2	102.9	98.6	97.1	96.6
25°	83.7	86.7	89.2	92.6	99.2	102.5	97.9	94.8	92.1	90.3	89.0
27.5°	80.9	83.6	84.2	85.9	91.5	94.5	92.1	90.8	89.2	87.5	85.9
30°	77.9	77.4	76.3	76.5	80.9	83.9	83.7	84.1	83.9	83.4	83.1
32.5°	71.2	70.2	69.2	70.2	74.3	77.0	77.1	77.8	77.8	77.6	78.9
35°	59.3	61.1	62.3	65.2	70.2	72.5	71.5	69.9	66.9	65.1	64.9
37.5°	54.8	55.2	57.1	61.3	66.7	68.9	67.4	63.6	61.6	61.3	61.8
40°	52.7	53.0	54.2	58.0	63.4	65.6	64.2	61.4	59.6	59.4	60.3
42.5°	51.2	51.5	52.2	54.8	59.3	61.9	62.1	60.1	58.0	58.1	59.0
45°	50.4	50.5	50.4	51.7	55.8	59.0	60.3	59.0	57.1	57.5	58.5
47.5°	50.2	49.7	49.0	49.4	53.7	56.8	58.5	58.0	57.1	57.5	58.3
50°	49.5	48.4	47.6	47.4	51.7	55.0	56.5	56.5	56.8	57.5	58.3
52.5°	47.6	46.2	46.2	45.7	50.4	53.5	54.5	54.7	55.2	56.3	57.5
55°	45.1	44.6	45.1	44.3	49.4	52.3	52.8	53.2	53.5	54.5	56.1
57.5°	42.9	42.3	43.4	43.1	48.5	51.2	51.2	51.9	51.9	53.2	54.5
60°	41.8	40.5	41.0	41.3	47.4	50.2	49.9	50.5	50.9	52.0	53.0
62.5°	40.3	39.1	39.1	40.0	46.1	48.7	48.5	49.0	50.4	50.7	51.7
65°	38.5	38.0	37.5	38.5	44.8	47.1	47.2	47.9	49.0	49.4	50.2
67.5°	36.7	36.8	35.8	36.8	43.6	45.4	45.4	46.7	47.2	47.9	48.7
70°	34.7	34.8	34.0	35.2	42.8	43.6	43.4	45.2	45.6	46.1	46.9
72.5°	32.2	32.2	31.9	33.5	41.4	41.8	41.4	42.9	43.1	43.6	43.9
75°	29.6	29.6	29.2	31.5	40.6	39.8	38.8	40.0	40.3	40.6	40.6
77.5°	26.1	26.4	26.4	29.2	37.8	39.0	35.7	36.3	36.8	37.0	36.5
80°	21.8	22.6	23.0	26.6	31.7	36.0	31.9	32.4	32.5	32.5	31.9
82.5°	16.7	18.2	19.0	23.0	24.3	30.2	27.7	28.2	27.7	26.8	26.4
85°	11.6	13.5	14.5	17.5	18.3	23.3	23.1	23.1	22.1	20.8	20.6
87.5°	6.3	7.4	8.1	10.4	12.6	15.7	17.0	16.5	15.7	14.9	15.0
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9
2.5°	910.5	933.0	968.8	996.3	1023.8	1050.4	1079.2	1101.1	1119.8	1127.0	1149.2
5°	732.2	760.3	794.1	855.2	898.5	946.2	1001.4	1074.4	1102.4	1141.2	1204.8
7.5°	517.7	543.1	597.6	647.0	708.3	775.8	850.3	951.0	987.8	1050.1	1153.6
10°	386.6	416.1	459.9	501.5	555.5	624.5	710.1	822.7	867.4	935.0	1054.2
12.5°	311.4	346.3	392.7	431.8	473.6	522.3	605.4	728.9	788.8	848.0	968.5
15°	239.3	275.8	318.9	368.6	414.7	467.2	554.2	689.3	758.3	819.9	922.8
17.5°	165.6	196.8	251.2	303.0	362.0	429.2	540.0	697.7	780.1	851.1	930.7
20°	117.4	135.2	179.8	239.9	313.4	397.8	537.3	741.9	849.1	930.2	981.6
22.5°	98.8	105.4	131.3	186.4	271.3	374.4	546.6	804.0	942.3	1045.8	1062.6
25°	90.0	94.0	107.5	146.3	233.8	357.3	577.8	896.5	1057.5	1161.4	1158.4
27.5°	85.2	89.3	98.3	123.5	205.6	346.8	609.0	1006.2	1189.3	1286.9	1249.9
30°	83.7	89.3	98.8	116.4	185.4	330.1	634.6	1102.4	1290.7	1371.6	1291.5
32.5°	82.6	83.4	87.7	100.4	166.3	310.6	651.9	1188.8	1389.9	1452.2	1351.5
35°	66.7	70.8	77.8	90.0	155.1	298.9	651.9	1263.3	1487.7	1533.6	1408.6
37.5°	64.2	67.9	74.0	84.4	148.8	293.1	638.9	1335.1	1587.6	1625.9	1455.7
40°	62.9	65.9	71.7	80.1	146.1	286.5	619.9	1398.5	1685.2	1718.4	1499.6
42.5°	61.9	64.6	70.0	77.4	142.7	279.2	604.6	1449.4	1769.9	1797.3	1541.5
45°	61.4	64.2	70.2	78.8	135.7	269.7	599.4	1504.4	1839.6	1863.2	1586.9
47.5°	61.4	64.7	71.0	81.6	127.5	259.8	615.5	1576.9	1905.5	1917.0	1640.4
50°	60.9	64.6	73.3	78.8	115.4	247.2	653.1	1668.2	1976.8	1978.1	1708.1
52.5°	59.9	64.2	78.9	77.1	101.6	230.7	704.0	1785.4	2082.3	2090.3	1814.2
55°	58.8	63.7	77.4	73.3	90.2	211.0	745.6	1927.9	2230.6	2252.6	1970.0
57.5°	57.3	63.1	75.0	68.0	82.7	185.8	760.6	2032.3	2334.2	2389.3	2145.8
60°	56.0	62.6	67.7	64.9	78.1	164.5	731.5	2011.7	2327.1	2446.0	2301.5
62.5°	54.7	63.1	61.8	62.9	76.0	150.8	655.6	1846.4	2209.3	2387.5	2416.9
65°	53.2	58.6	58.3	61.3	75.5	145.3	543.5	1598.5	1981.8	2202.7	2444.1
67.5°	51.2	54.2	55.8	59.1	77.1	140.5	438.6	1318.6	1665.5	1925.8	2302.1
70°	49.0	51.5	53.3	56.5	76.1	138.4	364.8	1039.8	1321.6	1578.3	2021.9
72.5°	46.2	48.4	50.0	53.0	75.1	137.2	308.1	837.4	986.7	1172.5	1643.9
75°	42.9	44.9	46.1	49.0	72.0	125.7	242.3	708.6	738.3	815.6	1309.3
77.5°	39.1	40.6	41.6	44.9	63.7	104.5	175.2	546.6	573.3	592.2	1003.8
80°	34.7	36.2	36.7	39.8	52.8	81.7	114.3	403.8	428.9	433.1	655.6
82.5°	29.6	31.0	31.0	34.0	43.3	58.8	75.0	276.6	281.6	296.1	463.4
85°	23.8	24.9	24.9	26.4	33.5	43.9	51.5	138.9	137.4	156.9	401.4
87.5°	17.0	17.8	18.7	19.0	23.9	29.1	31.0	42.3	27.9	32.0	257.8
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°	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9	1014.9
2.5°	1165.8	1175.3	1165.7	1158.7	1128.9	1104.3	1071.4	1054.5
5°	1253.2	1277.1	1269.1	1240.0	1177.6	1107.4	1027.6	991.6
7.5°	1242.6	1298.3	1299.6	1245.3	1153.3	1049.9	941.9	890.7
10°	1160.4	1231.6	1251.9	1199.2	1101.6	986.0	862.2	803.7
12.5°	1068.6	1138.3	1153.8	1135.6	1054.0	938.0	812.3	755.0
15°	993.4	1024.7	1043.2	1059.0	1013.3	918.8	809.5	746.6
17.5°	947.7	944.2	949.5	977.1	984.9	940.8	852.4	783.1
20°	931.2	878.2	876.9	914.8	971.5	993.1	936.3	853.1
22.5°	940.3	854.4	843.5	888.6	978.6	1068.6	1046.3	951.3
25°	971.6	856.4	847.6	891.2	1004.3	1149.0	1165.0	1078.5
27.5°	1021.0	868.9	857.4	902.1	1038.5	1216.5	1281.9	1201.7
30°	1067.9	890.7	876.4	923.6	1069.7	1243.3	1353.6	1297.8
32.5°	1124.9	931.5	906.3	963.1	1108.4	1285.9	1417.5	1377.4
35°	1180.7	989.6	958.3	1024.0	1151.5	1338.9	1490.5	1479.1
37.5°	1242.0	1065.6	1039.7	1102.8	1210.4	1388.9	1583.6	1598.3
40°	1307.4	1166.3	1135.6	1217.7	1301.9	1451.7	1680.9	1716.2
42.5°	1373.3	1278.1	1241.5	1324.7	1402.5	1513.6	1764.1	1816.5
45°	1448.7	1399.5	1382.2	1472.2	1499.1	1572.6	1825.6	1890.6
47.5°	1536.6	1537.2	1565.1	1601.1	1596.5	1639.3	1887.3	1956.8
50°	1639.1	1709.1	1770.7	1794.7	1696.9	1711.0	1973.0	2045.5
52.5°	1762.3	1914.7	1991.0	1975.3	1805.1	1798.5	2108.8	2167.7
55°	1916.4	2132.4	2208.2	2196.9	1929.4	1917.7	2277.9	2312.2
57.5°	2094.7	2343.3	2412.9	2362.4	2078.7	2048.5	2417.7	2425.0
60°	2251.4	2510.4	2571.5	2515.5	2229.3	2187.7	2505.1	2469.9
62.5°	2338.6	2567.0	2609.9	2549.7	2332.5	2336.0	2524.2	2445.6
65°	2299.7	2423.8	2437.7	2432.8	2305.9	2422.0	2455.4	2333.5
67.5°	2086.3	2061.9	2085.1	2117.3	2078.0	2308.7	2264.6	2089.3
70°	1710.5	1576.2	1622.6	1644.2	1662.1	1986.7	1965.6	1701.7
72.5°	1289.0	1104.3	1140.9	1136.5	1219.0	1593.5	1528.6	1251.2
75°	913.4	748.7	753.3	751.5	850.6	1246.8	1106.9	856.1
77.5°	639.1	542.5	544.9	555.2	571.9	940.3	790.8	625.4
80°	439.4	411.7	425.4	426.2	396.3	631.6	584.2	501.8
82.5°	327.3	286.2	282.9	287.7	310.6	511.7	449.0	348.1
85°	268.0	169.4	136.2	170.7	275.3	506.8	298.2	183.6
87.5°	150.9	80.4	36.3	67.4	109.8	335.6	86.2	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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