

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: P200635

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200635
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-SLL-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT 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

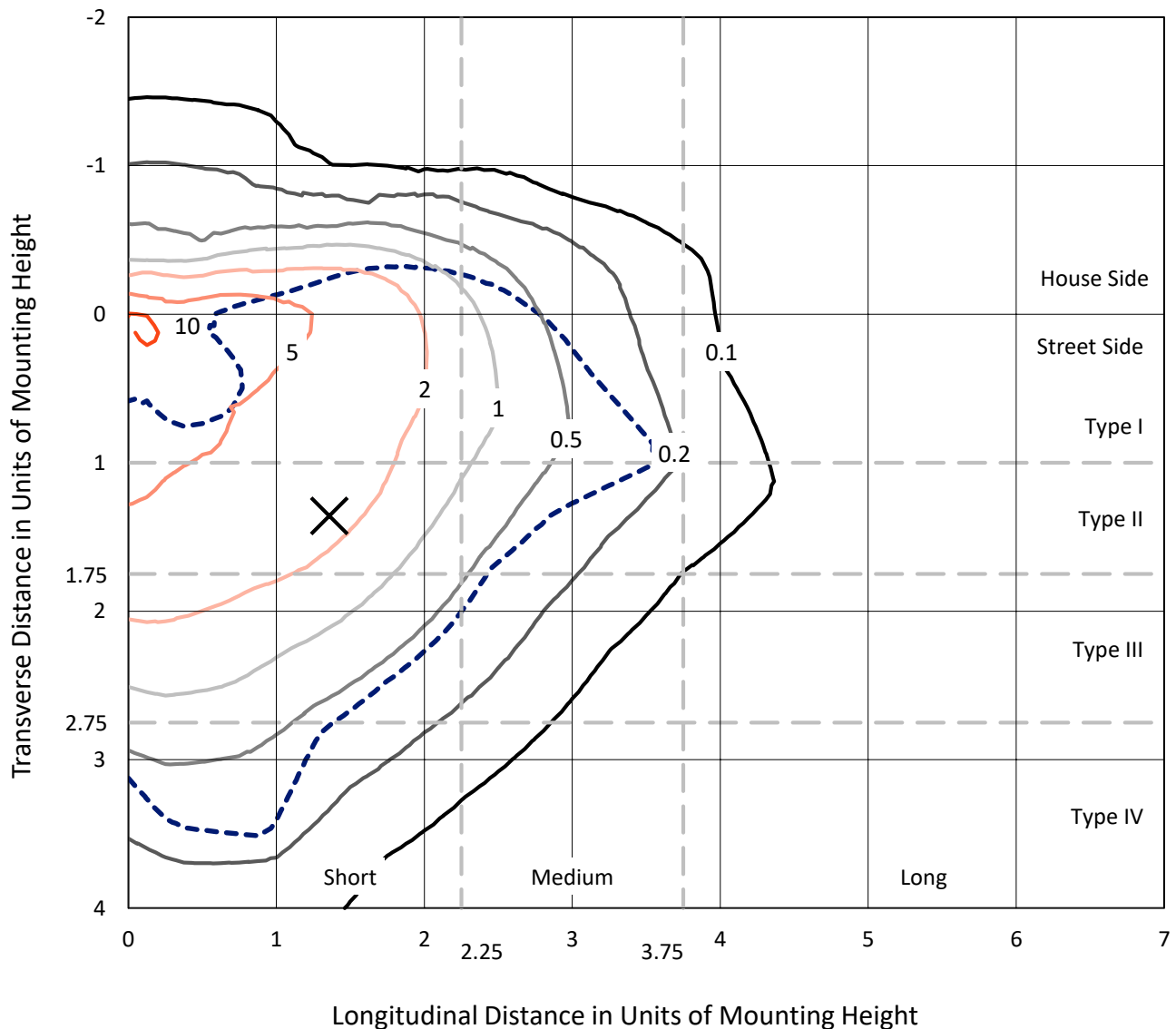


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

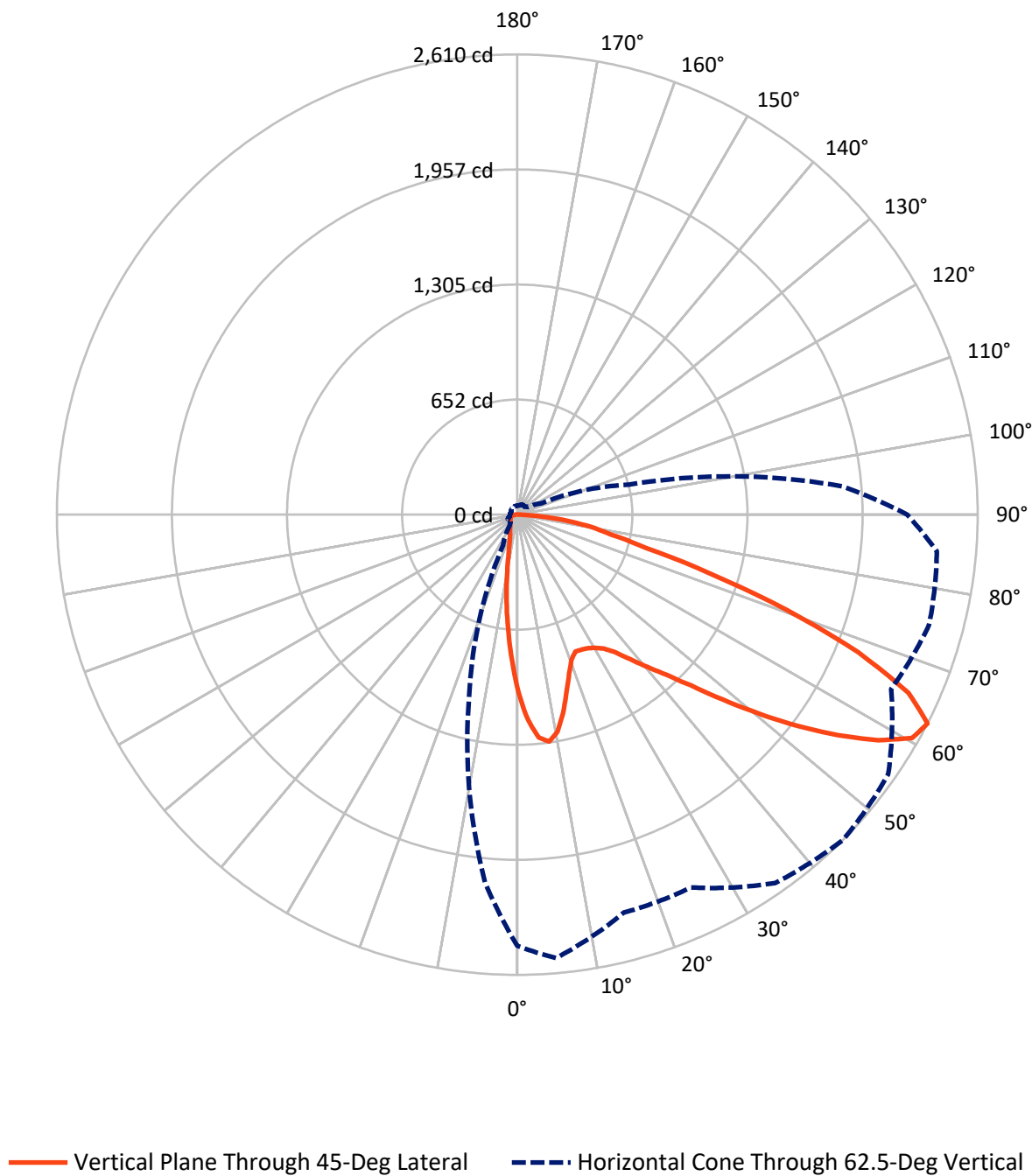


Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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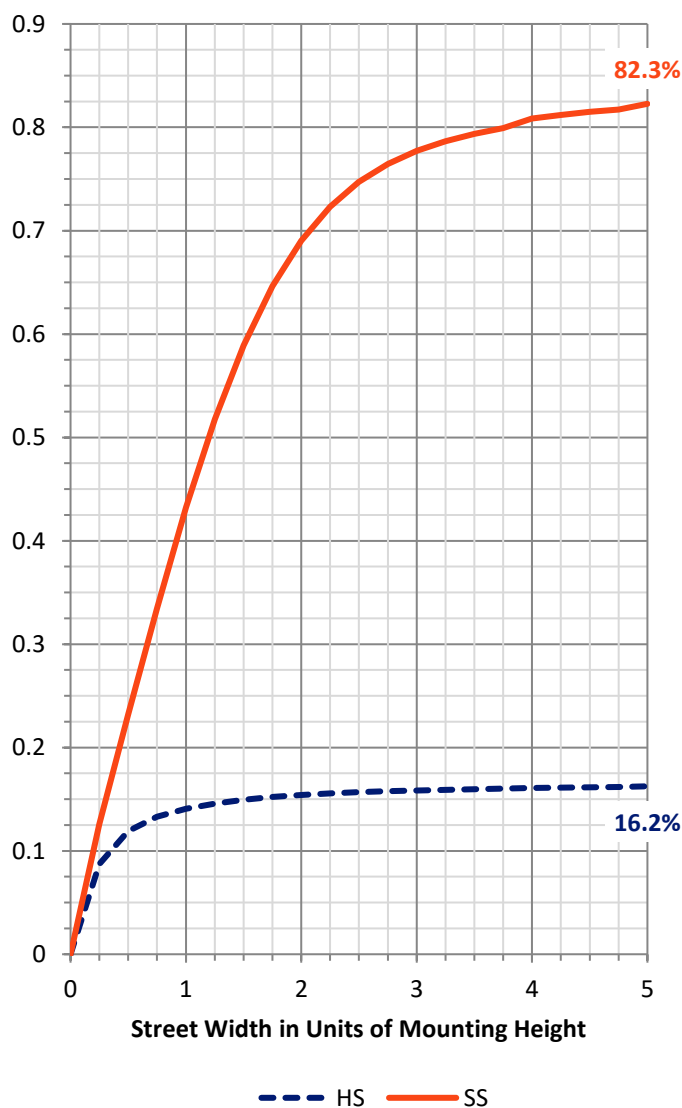
FLUX DISTRIBUTION:

		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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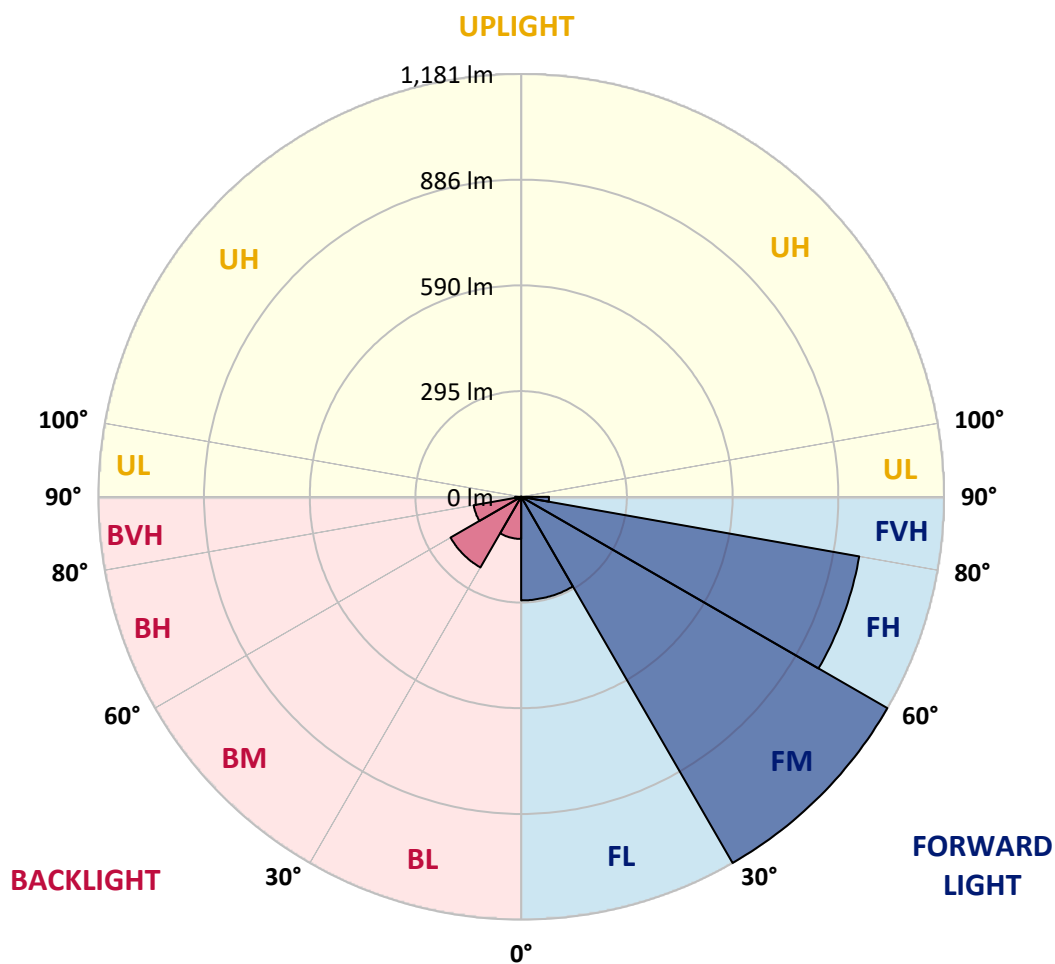
CATALOG NUMBER: GWC-AF-01-LED-E1-SLL-8030-600

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	1071.4	1104.3	1128.9	1158.7	1165.7	1175.3	1165.8	1149.2	1127.0	1119.8
5°	991.6	1027.6	1107.4	1177.6	1240.0	1269.1	1277.1	1253.2	1204.8	1141.2	1102.4
7.5°	890.7	941.9	1049.9	1153.3	1245.3	1299.6	1298.3	1242.6	1153.6	1050.1	987.8
10°	803.7	862.2	986.0	1101.6	1199.2	1251.9	1231.6	1160.4	1054.2	935.0	867.4
12.5°	755.0	812.3	938.0	1054.0	1135.6	1153.8	1138.3	1068.6	968.5	848.0	788.8
15°	746.6	809.5	918.8	1013.3	1059.0	1043.2	1024.7	993.4	922.8	819.9	758.3
17.5°	783.1	852.4	940.8	984.9	977.1	949.5	944.2	947.7	930.7	851.1	780.1
20°	853.1	936.3	993.1	971.5	914.8	876.9	878.2	931.2	981.6	930.2	849.1
22.5°	951.3	1046.3	1068.6	978.6	888.6	843.5	854.4	940.3	1062.6	1045.8	942.3
25°	1078.5	1165.0	1149.0	1004.3	891.2	847.6	856.4	971.6	1158.4	1161.4	1057.5
27.5°	1201.7	1281.9	1216.5	1038.5	902.1	857.4	868.9	1021.0	1249.9	1286.9	1189.3
30°	1297.8	1353.6	1243.3	1069.7	923.6	876.4	890.7	1067.9	1291.5	1371.6	1290.7
32.5°	1377.4	1417.5	1285.9	1108.4	963.1	906.3	931.5	1124.9	1351.5	1452.2	1389.9
35°	1479.1	1490.5	1338.9	1151.5	1024.0	958.3	989.6	1180.7	1408.6	1533.6	1487.7
37.5°	1598.3	1583.6	1388.9	1210.4	1102.8	1039.7	1065.6	1242.0	1455.7	1625.9	1587.6
40°	1716.2	1680.9	1451.7	1301.9	1217.7	1135.6	1166.3	1307.4	1499.6	1718.4	1685.2
42.5°	1816.5	1764.1	1513.6	1402.5	1324.7	1241.5	1278.1	1373.3	1541.5	1797.3	1769.9
45°	1890.6	1825.6	1572.6	1499.1	1472.2	1382.2	1399.5	1448.7	1586.9	1863.2	1839.6
47.5°	1956.8	1887.3	1639.3	1596.5	1601.1	1565.1	1537.2	1536.6	1640.4	1917.0	1905.5
50°	2045.5	1973.0	1711.0	1696.9	1794.7	1770.7	1709.1	1639.1	1708.1	1978.1	1976.8
52.5°	2167.7	2108.8	1798.5	1805.1	1975.3	1991.0	1914.7	1762.3	1814.2	2090.3	2082.3
55°	2312.2	2277.9	1917.7	1929.4	2196.9	2208.2	2132.4	1916.4	1970.0	2252.6	2230.6
57.5°	2425.0	2417.7	2048.5	2078.7	2362.4	2412.9	2343.3	2094.7	2145.8	2389.3	2334.2
60°	2469.9	2505.1	2187.7	2229.3	2515.5	2571.5	2510.4	2251.4	2301.5	2446.0	2327.1
62.5°	2445.6	2524.2	2336.0	2332.5	2549.7	2609.9	2567.0	2338.6	2416.9	2387.5	2209.3
65°	2333.5	2455.4	2422.0	2305.9	2432.8	2437.7	2423.8	2299.7	2444.1	2202.7	1981.8
67.5°	2089.3	2264.6	2308.7	2078.0	2117.3	2085.1	2061.9	2086.3	2302.1	1925.8	1665.5
70°	1701.7	1965.6	1986.7	1662.1	1644.2	1622.6	1576.2	1710.5	2021.9	1578.3	1321.6
72.5°	1251.2	1528.6	1593.5	1219.0	1136.5	1140.9	1104.3	1289.0	1643.9	1172.5	986.7
75°	856.1	1106.9	1246.8	850.6	751.5	753.3	748.7	913.4	1309.3	815.6	738.3
77.5°	625.4	790.8	940.3	571.9	555.2	544.9	542.5	639.1	1003.8	592.2	573.3
80°	501.8	584.2	631.6	396.3	426.2	425.4	411.7	439.4	655.6	433.1	428.9
82.5°	348.1	449.0	511.7	310.6	287.7	282.9	286.2	327.3	463.4	296.1	281.6
85°	183.6	298.2	506.8	275.3	170.7	136.2	169.4	268.0	401.4	156.9	137.4
87.5°	23.4	86.2	335.6	109.8	67.4	36.3	80.4	150.9	257.8	32.0	27.9
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°	1101.1	1079.2	1050.4	1023.8	996.3	968.8	933.0	910.5	895.0	892.1	885.4
5°	1074.4	1001.4	946.2	898.5	855.2	794.1	760.3	732.2	717.2	715.7	712.1
7.5°	951.0	850.3	775.8	708.3	647.0	597.6	543.1	517.7	507.3	509.8	512.2
10°	822.7	710.1	624.5	555.5	501.5	459.9	416.1	386.6	366.1	362.0	361.1
12.5°	728.9	605.4	522.3	473.6	431.8	392.7	346.3	311.4	284.9	275.8	269.7
15°	689.3	554.2	467.2	414.7	368.6	318.9	275.8	239.3	214.8	206.9	202.5
17.5°	697.7	540.0	429.2	362.0	303.0	251.2	196.8	165.6	150.9	147.1	147.1
20°	741.9	537.3	397.8	313.4	239.9	179.8	135.2	117.4	112.6	112.1	113.4
22.5°	804.0	546.6	374.4	271.3	186.4	131.3	105.4	98.8	96.6	97.1	98.6
25°	896.5	577.8	357.3	233.8	146.3	107.5	94.0	90.0	89.0	90.3	92.1
27.5°	1006.2	609.0	346.8	205.6	123.5	98.3	89.3	85.2	85.9	87.5	89.2
30°	1102.4	634.6	330.1	185.4	116.4	98.8	89.3	83.7	83.1	83.4	83.9
32.5°	1188.8	651.9	310.6	166.3	100.4	87.7	83.4	82.6	78.9	77.6	77.8
35°	1263.3	651.9	298.9	155.1	90.0	77.8	70.8	66.7	64.9	65.1	66.9
37.5°	1335.1	638.9	293.1	148.8	84.4	74.0	67.9	64.2	61.8	61.3	61.6
40°	1398.5	619.9	286.5	146.1	80.1	71.7	65.9	62.9	60.3	59.4	59.6
42.5°	1449.4	604.6	279.2	142.7	77.4	70.0	64.6	61.9	59.0	58.1	58.0
45°	1504.4	599.4	269.7	135.7	78.8	70.2	64.2	61.4	58.5	57.5	57.1
47.5°	1576.9	615.5	259.8	127.5	81.6	71.0	64.7	61.4	58.3	57.5	57.1
50°	1668.2	653.1	247.2	115.4	78.8	73.3	64.6	60.9	58.3	57.5	56.8
52.5°	1785.4	704.0	230.7	101.6	77.1	78.9	64.2	59.9	57.5	56.3	55.2
55°	1927.9	745.6	211.0	90.2	73.3	77.4	63.7	58.8	56.1	54.5	53.5
57.5°	2032.3	760.6	185.8	82.7	68.0	75.0	63.1	57.3	54.5	53.2	51.9
60°	2011.7	731.5	164.5	78.1	64.9	67.7	62.6	56.0	53.0	52.0	50.9
62.5°	1846.4	655.6	150.8	76.0	62.9	61.8	63.1	54.7	51.7	50.7	50.4
65°	1598.5	543.5	145.3	75.5	61.3	58.3	58.6	53.2	50.2	49.4	49.0
67.5°	1318.6	438.6	140.5	77.1	59.1	55.8	54.2	51.2	48.7	47.9	47.2
70°	1039.8	364.8	138.4	76.1	56.5	53.3	51.5	49.0	46.9	46.1	45.6
72.5°	837.4	308.1	137.2	75.1	53.0	50.0	48.4	46.2	43.9	43.6	43.1
75°	708.6	242.3	125.7	72.0	49.0	46.1	44.9	42.9	40.6	40.6	40.3
77.5°	546.6	175.2	104.5	63.7	44.9	41.6	40.6	39.1	36.5	37.0	36.8
80°	403.8	114.3	81.7	52.8	39.8	36.7	36.2	34.7	31.9	32.5	32.5
82.5°	276.6	75.0	58.8	43.3	34.0	31.0	31.0	29.6	26.4	26.8	27.7
85°	138.9	51.5	43.9	33.5	26.4	24.9	24.9	23.8	20.6	20.8	22.1
87.5°	42.3	31.0	29.1	23.9	19.0	18.7	17.8	17.0	15.0	14.9	15.7
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°	875.4	866.0	854.6	829.5	821.0	820.6	828.1	820.2	835.4	829.0	836.1
5°	705.9	696.7	684.0	651.9	632.5	619.3	613.0	594.5	607.9	598.1	606.2
7.5°	519.2	521.3	512.9	494.1	451.6	430.3	417.8	406.6	416.3	415.3	430.8
10°	364.9	370.7	364.8	345.8	311.4	299.7	302.0	306.5	319.2	325.8	349.8
12.5°	262.7	262.4	258.6	241.6	219.0	220.3	229.7	237.5	249.2	256.1	280.6
15°	196.2	193.2	191.6	177.7	164.8	167.6	172.2	173.1	180.5	184.6	204.4
17.5°	148.3	149.8	151.6	141.7	131.9	130.1	126.5	122.0	124.2	125.0	134.9
20°	117.7	123.7	128.1	121.2	111.3	106.0	101.4	98.4	98.4	98.3	101.1
22.5°	102.9	107.2	112.0	107.2	98.3	93.6	91.0	88.7	88.3	88.3	91.0
25°	94.8	97.9	102.5	99.2	92.6	89.2	86.7	83.7	82.6	82.2	84.1
27.5°	90.8	92.1	94.5	91.5	85.9	84.2	83.6	80.9	79.4	78.6	80.4
30°	84.1	83.7	83.9	80.9	76.5	76.3	77.4	77.9	77.4	77.3	80.1
32.5°	77.8	77.1	77.0	74.3	70.2	69.2	70.2	71.2	72.3	74.0	77.3
35°	69.9	71.5	72.5	70.2	65.2	62.3	61.1	59.3	58.3	58.3	62.1
37.5°	63.6	67.4	68.9	66.7	61.3	57.1	55.2	54.8	55.0	55.7	59.3
40°	61.4	64.2	65.6	63.4	58.0	54.2	53.0	52.7	53.0	54.0	57.6
42.5°	60.1	62.1	61.9	59.3	54.8	52.2	51.5	51.2	51.5	52.5	56.5
45°	59.0	60.3	59.0	55.8	51.7	50.4	50.5	50.4	50.7	51.7	55.5
47.5°	58.0	58.5	56.8	53.7	49.4	49.0	49.7	50.2	50.5	51.4	55.3
50°	56.5	56.5	55.0	51.7	47.4	47.6	48.4	49.5	49.7	50.7	53.8
52.5°	54.7	54.5	53.5	50.4	45.7	46.2	46.2	47.6	47.9	49.0	52.3
55°	53.2	52.8	52.3	49.4	44.3	45.1	44.6	45.1	45.9	47.1	50.7
57.5°	51.9	51.2	51.2	48.5	43.1	43.4	42.3	42.9	43.9	44.9	48.7
60°	50.5	49.9	50.2	47.4	41.3	41.0	40.5	41.8	42.1	43.3	47.1
62.5°	49.0	48.5	48.7	46.1	40.0	39.1	39.1	40.3	40.5	42.1	45.7
65°	47.9	47.2	47.1	44.8	38.5	37.5	38.0	38.5	38.8	40.5	43.9
67.5°	46.7	45.4	45.4	43.6	36.8	35.8	36.8	36.7	37.2	38.6	41.4
70°	45.2	43.4	43.6	42.8	35.2	34.0	34.8	34.7	35.0	36.0	38.8
72.5°	42.9	41.4	41.8	41.4	33.5	31.9	32.2	32.2	32.2	33.0	36.0
75°	40.0	38.8	39.8	40.6	31.5	29.2	29.6	29.6	29.1	29.6	33.2
77.5°	36.3	35.7	39.0	37.8	29.2	26.4	26.4	26.1	25.1	25.8	29.7
80°	32.4	31.9	36.0	31.7	26.6	23.0	22.6	21.8	20.8	21.3	25.3
82.5°	28.2	27.7	30.2	24.3	23.0	19.0	18.2	16.7	15.7	16.2	19.8
85°	23.1	23.1	23.3	18.3	17.5	14.5	13.5	11.6	10.4	10.7	14.2
87.5°	16.5	17.0	15.7	12.6	10.4	8.1	7.4	6.3	5.3	6.1	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):

	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°	872.4	890.6	911.2	937.6	960.3	997.4	1033.1	1054.5
5°	652.3	682.5	720.1	768.5	813.6	881.3	948.5	991.6
7.5°	466.8	499.2	539.8	600.3	664.0	750.4	839.2	890.7
10°	386.2	419.4	453.6	494.4	546.6	640.6	745.6	803.7
12.5°	319.5	355.0	391.9	434.8	483.2	567.1	688.1	755.0
15°	244.6	284.2	327.6	382.0	442.6	539.5	673.9	746.6
17.5°	167.6	211.9	265.2	332.2	406.4	530.6	699.3	783.1
20°	115.4	147.6	204.6	283.2	372.4	529.4	748.2	853.1
22.5°	96.6	111.0	152.6	238.1	346.8	543.6	824.0	951.3
25°	89.3	97.9	121.9	199.0	328.1	576.3	928.4	1078.5
27.5°	85.0	92.8	110.6	173.4	313.4	614.3	1029.9	1201.7
30°	86.7	94.6	107.5	160.3	293.4	646.0	1120.1	1297.8
32.5°	78.1	81.6	92.1	148.8	279.1	672.6	1199.0	1377.4
35°	66.5	72.7	82.2	143.3	279.4	690.4	1285.1	1479.1
37.5°	63.4	69.5	76.5	141.4	283.2	709.4	1383.8	1598.3
40°	61.4	67.0	73.0	140.2	286.8	726.8	1480.6	1716.2
42.5°	60.1	65.2	72.7	136.2	288.7	742.3	1560.2	1816.5
45°	59.9	65.2	74.0	132.3	291.5	759.0	1626.9	1890.6
47.5°	60.1	67.4	71.5	127.5	291.5	786.9	1705.2	1956.8
50°	59.4	71.0	68.9	120.7	284.7	839.7	1812.5	2045.5
52.5°	59.1	70.5	63.7	110.3	273.0	923.6	1950.1	2167.7
55°	58.3	68.0	60.1	94.8	259.3	1015.1	2097.4	2312.2
57.5°	57.5	60.3	58.1	81.2	238.1	1079.5	2198.8	2425.0
60°	64.4	52.7	56.5	74.6	209.9	1097.1	2194.8	2469.9
62.5°	59.6	49.4	54.3	73.2	190.1	1047.6	2093.4	2445.6
65°	46.7	47.2	52.2	77.4	184.8	916.3	1913.7	2333.5
67.5°	42.8	45.1	50.0	82.9	185.3	733.7	1645.2	2089.3
70°	40.3	42.8	47.6	85.7	186.6	546.9	1300.8	1701.7
72.5°	37.5	39.6	44.8	86.2	178.0	397.3	1002.5	1251.2
75°	34.2	36.2	40.8	75.1	147.5	275.6	766.9	856.1
77.5°	30.4	31.9	35.8	58.0	109.5	176.4	575.7	625.4
80°	25.9	26.8	30.1	42.4	75.0	110.3	455.4	501.8
82.5°	20.8	21.1	23.3	31.9	48.7	70.8	305.0	348.1
85°	14.7	14.7	16.0	23.1	33.2	44.9	165.6	183.6
87.5°	6.9	7.1	7.1	12.7	17.3	22.8	38.1	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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