

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635515

Luminaire Tested: GWS-SA3D-830-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8675.8 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

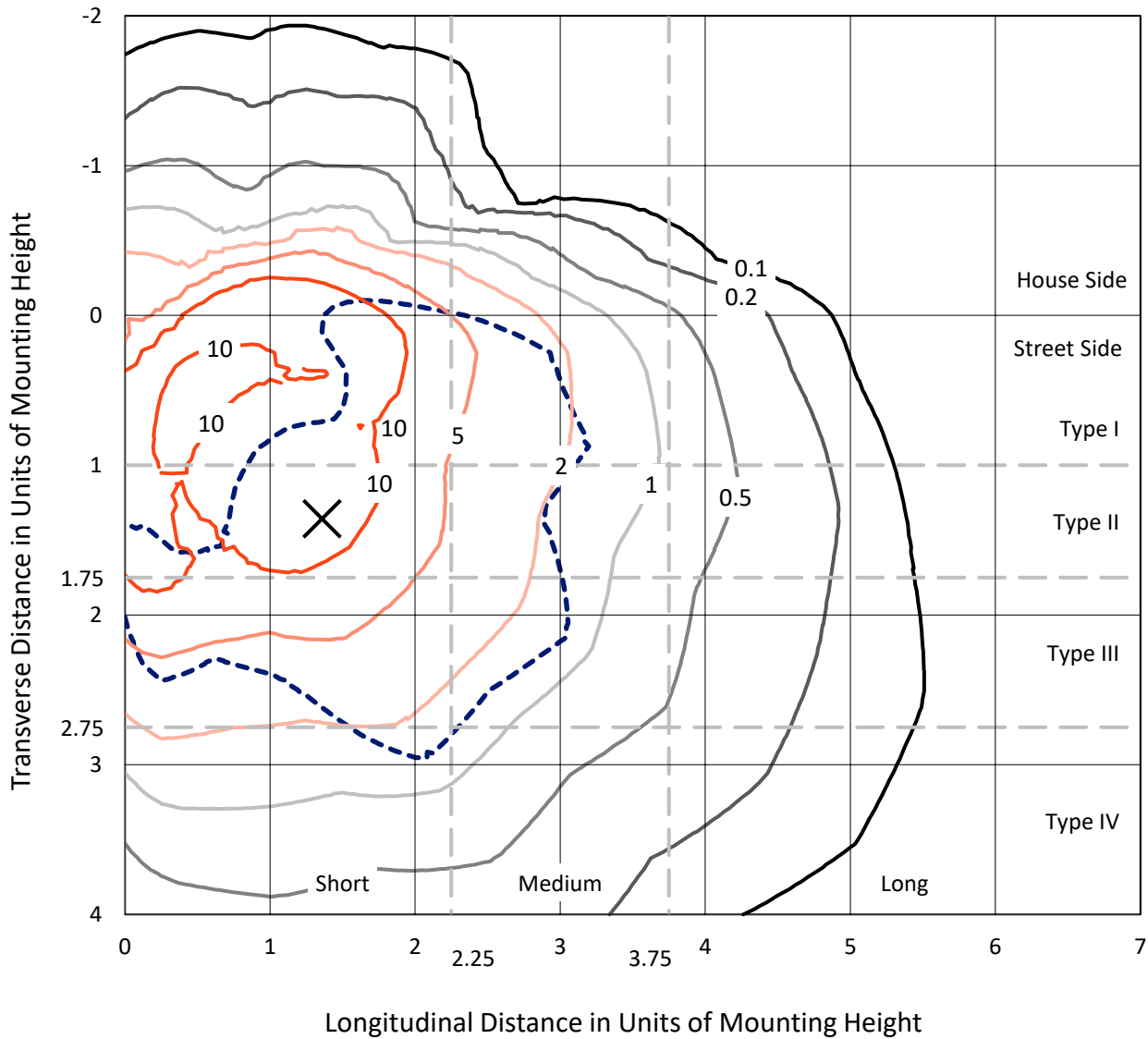
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

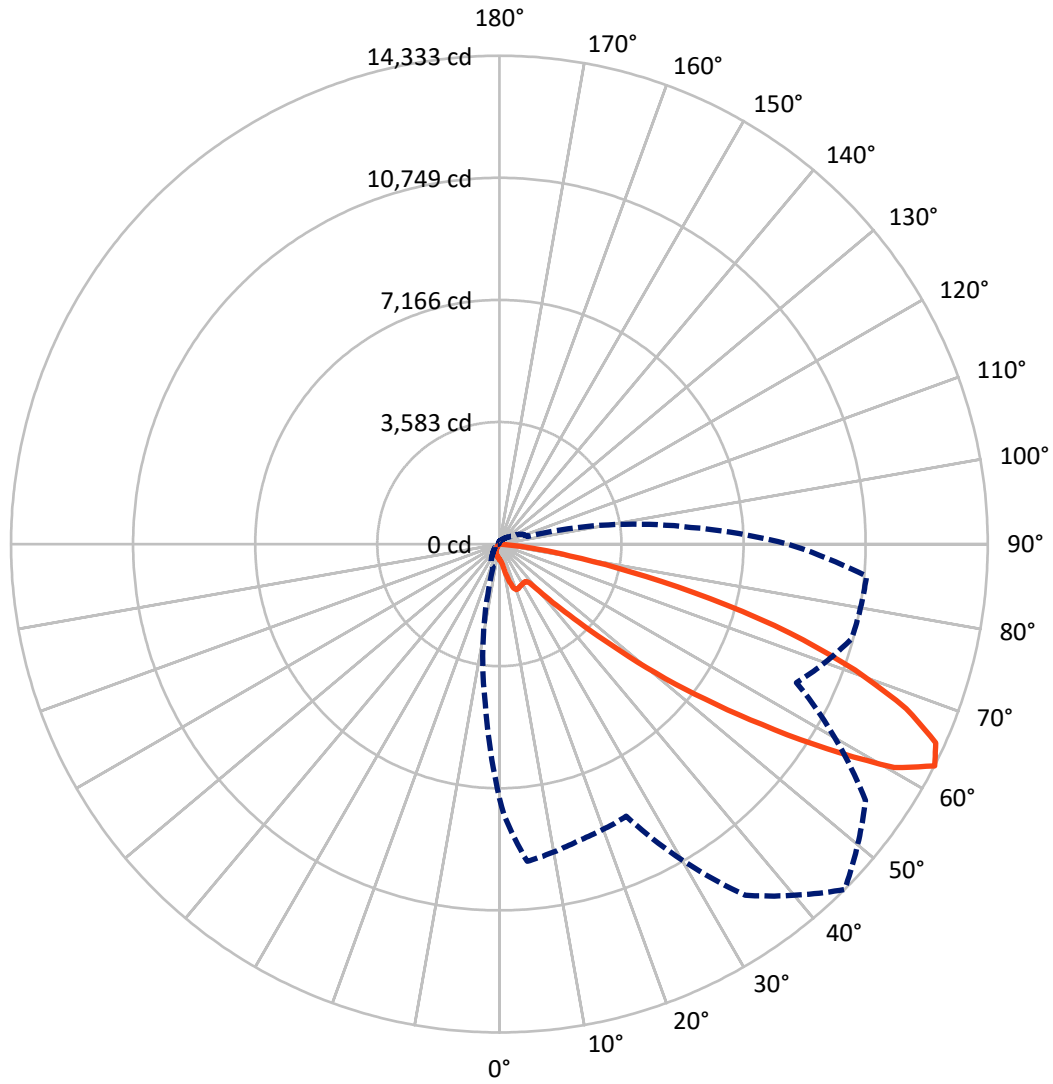
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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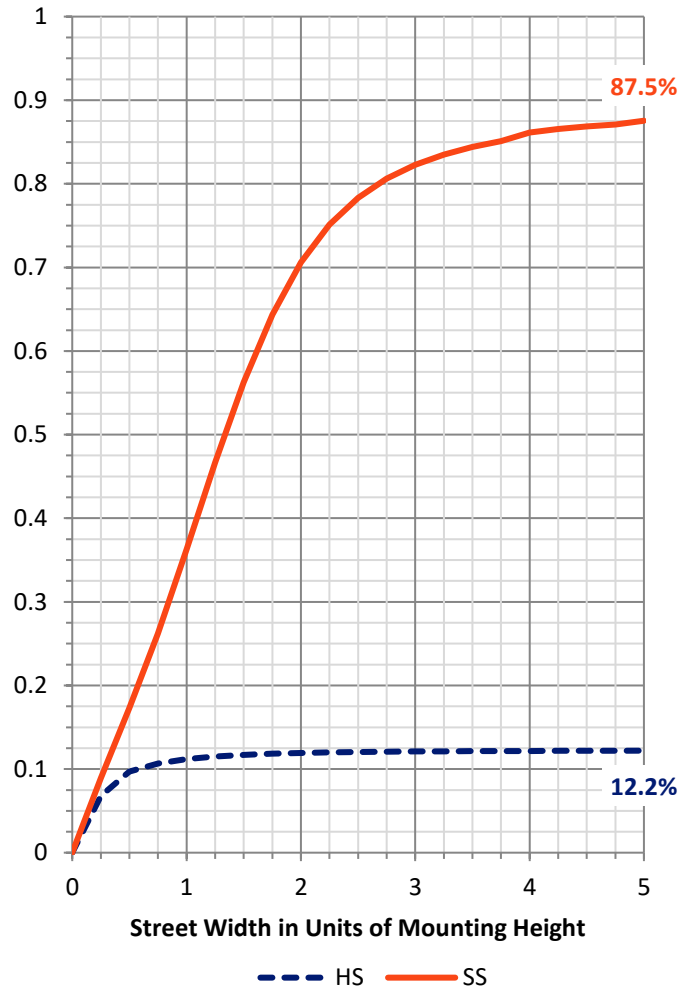
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.6	0.0	1070.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	7605.2	0.0	7605.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	8675.8	0.0	8675.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.5
10°-20°	151.3	1.7
20°-30°	328.8	3.8
30°-40°	539.7	6.2
40°-50°	992.1	11.4
50°-60°	2130.7	24.6
60°-70°	2861.8	33.0
70°-80°	1490.2	17.2
80°-90°	141.3	1.6
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°	8675.8	100.0
0°-180°	8675.8	100.0

Coefficient of Utilization



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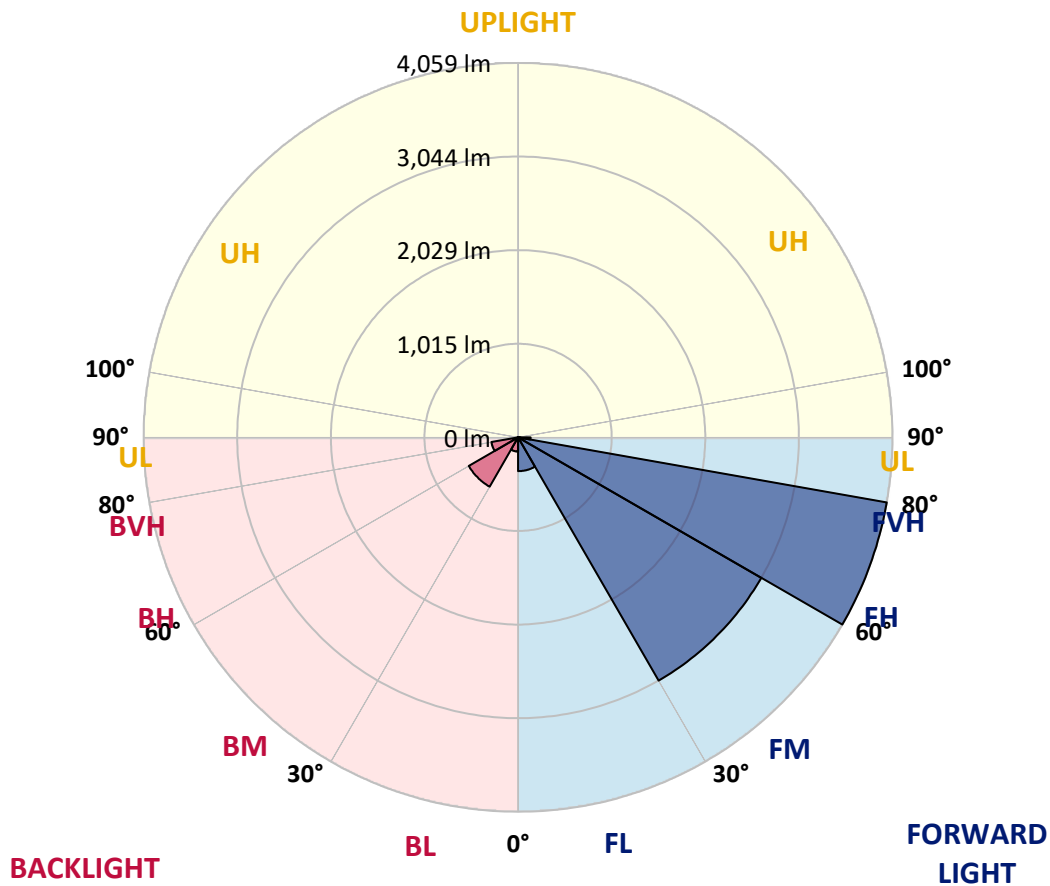
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.5	4.2			
FM (30°-60°)	3045.1	35.1			
FH (60°-80°)	4058.6	46.8			G2/5000
FVH (80°-90°)	135.0	1.6			G2/225
BL (0°-30°)	153.6	1.8	B1/500		
BM (30°-60°)	617.4	7.1	B1/1000		
BH (60°-80°)	293.3	3.4	B1/500		G1/500
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	460.0	462.0	464.0	471.0	476.0	480.0	481.0	478.0	471.0	464.0	454.0
5°	445.9	448.0	455.0	474.0	493.0	508.1	513.1	510.1	493.0	471.0	448.0
7.5°	444.9	449.0	466.0	506.1	547.2	578.2	586.2	579.2	547.2	503.1	456.0
10°	481.0	488.0	513.1	585.2	660.4	715.5	737.6	707.5	656.4	576.2	499.1
12.5°	575.2	587.3	635.4	740.6	856.8	930.0	960.0	923.0	842.8	726.5	604.3
15°	723.5	741.6	813.7	971.1	1108.4	1173.5	1183.5	1162.5	1069.3	941.0	776.7
17.5°	933.0	959.0	1071.3	1231.6	1330.8	1353.9	1350.9	1328.8	1260.7	1172.5	1017.2
20°	1183.5	1214.6	1324.8	1457.1	1467.1	1440.1	1425.0	1412.0	1389.0	1373.9	1252.7
22.5°	1436.1	1474.1	1589.4	1622.5	1532.3	1454.1	1417.0	1427.0	1461.1	1535.3	1486.2
25°	1687.6	1723.7	1831.9	1742.7	1562.3	1432.0	1384.9	1409.0	1490.2	1650.5	1713.6
27.5°	1981.2	2008.3	2072.4	1824.9	1567.3	1414.0	1367.9	1405.0	1504.2	1722.7	1963.2
30°	2286.9	2302.9	2271.8	1846.9	1550.3	1387.0	1350.9	1405.0	1528.3	1770.8	2150.6
32.5°	2511.3	2514.4	2413.1	1848.9	1541.3	1364.9	1334.8	1399.0	1551.3	1810.9	2332.0
35°	2742.8	2727.8	2548.4	1879.0	1565.3	1372.9	1346.9	1416.0	1587.4	1858.0	2491.3
37.5°	2977.3	2950.3	2699.7	1928.1	1627.5	1460.1	1444.1	1503.2	1645.5	1923.1	2666.7
40°	3217.9	3180.8	2857.1	2002.3	1765.8	1756.7	1811.9	1804.8	1804.8	2006.3	2847.1
42.5°	3511.5	3468.4	3089.6	2211.7	2088.4	2289.9	2440.2	2347.0	2174.6	2197.7	3081.6
45°	3899.3	3862.2	3492.4	2612.6	2594.5	3057.5	3259.9	3075.5	2646.6	2639.6	3473.4
47.5°	4519.6	4512.6	4134.8	3077.6	3213.8	4034.6	4425.4	4070.7	3184.8	3107.6	4215.0
50°	5391.5	5370.4	4935.5	3622.7	3950.4	5245.2	5942.7	5351.4	3835.2	3653.8	5208.1
52.5°	6373.6	6395.6	6056.9	4218.0	4733.1	6592.0	7563.1	6818.5	4541.7	4348.3	6457.7
55°	7298.5	7424.8	7335.6	4914.5	5497.7	8079.2	9342.9	8427.9	5416.5	5257.2	7858.7
57.5°	8022.1	8377.8	9003.2	5926.6	6396.6	9818.9	11330.1	10172.7	6437.7	6733.3	9765.8
60°	8062.2	8533.2	9985.3	8044.1	7553.1	11311.1	13314.3	11877.3	8043.1	9239.7	11260.0
62.5°	7457.9	7963.0	9345.9	9006.2	8812.8	12580.8	14332.5	13119.9	9622.5	10707.8	10817.0
65°	6766.4	7276.5	8632.4	7914.8	8666.4	12526.7	14074.0	13149.0	9765.8	9709.7	10024.3
67.5°	5721.2	6179.2	7406.8	7005.9	7988.0	11922.4	12879.4	12320.2	8997.2	9081.3	9221.6
70°	4175.9	4616.8	5756.3	5776.3	6975.9	10833.1	11066.6	10989.4	8285.6	8374.8	7974.0
72.5°	3016.4	3388.2	4371.3	4737.1	5568.9	9084.3	8923.0	9220.6	7109.1	7458.9	6404.6
75°	2168.6	2447.2	3206.8	4120.8	4414.4	6746.4	6387.6	7141.2	5704.1	6422.7	4815.3
77.5°	879.9	978.1	1261.7	2775.9	2901.2	4538.7	3910.3	5187.0	4066.7	4220.0	2334.0
80°	36.1	40.1	52.1	1433.1	1989.2	2553.4	2092.5	2772.9	2685.7	1699.6	551.2
82.5°	4.0	4.0	9.0	412.9	870.9	1409.0	986.1	1597.4	1359.9	720.5	250.5
85°	1.0	1.0	2.0	47.1	204.4	225.5	133.3	490.0	632.3	294.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	9.0	10.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	454.0	449.0	442.9	436.9	433.9	425.9	422.9	420.9	418.9	419.9	419.9
5°	438.9	427.9	414.9	401.9	394.8	386.8	382.8	380.8	381.8	385.8	385.8
7.5°	436.9	415.9	387.8	370.8	362.8	356.8	352.8	350.7	351.7	356.8	358.8
10°	470.0	432.9	382.8	353.8	344.7	338.7	334.7	331.7	329.7	333.7	334.7
12.5°	541.2	490.0	406.9	351.7	335.7	327.7	324.7	318.7	315.7	317.7	318.7
15°	688.5	600.3	455.0	359.8	327.7	318.7	313.7	308.7	303.6	302.6	303.6
17.5°	880.9	754.6	528.1	378.8	321.7	310.7	303.6	296.6	289.6	288.6	287.6
20°	1119.4	944.0	630.3	408.9	316.7	303.6	293.6	283.6	274.6	271.6	271.6
22.5°	1336.8	1172.5	761.6	445.9	309.7	293.6	281.6	269.6	259.6	254.5	253.5
25°	1602.4	1415.0	919.0	489.0	299.6	280.6	267.6	255.5	245.5	239.5	237.5
27.5°	1870.0	1670.6	1097.3	545.2	287.6	267.6	255.5	244.5	233.5	226.5	224.5
30°	2129.5	1946.1	1297.8	615.3	278.6	254.5	244.5	233.5	223.5	212.5	209.4
32.5°	2408.1	2227.7	1522.2	693.5	271.6	245.5	234.5	224.5	211.5	201.4	196.4
35°	2676.7	2518.4	1769.8	769.6	264.6	237.5	225.5	215.5	201.4	190.4	183.4
37.5°	2947.3	2814.0	2028.3	815.7	254.5	226.5	215.5	207.4	191.4	178.4	170.4
40°	3233.9	3119.6	2307.9	796.7	245.5	214.5	208.4	199.4	181.4	166.4	156.3
42.5°	3548.6	3411.3	2592.5	723.5	237.5	204.4	198.4	189.4	172.4	154.3	141.3
45°	3944.4	3730.9	2826.0	613.3	241.5	194.4	182.4	180.4	164.3	141.3	125.3
47.5°	4624.8	4222.0	3007.4	542.2	268.6	183.4	169.4	174.4	157.3	128.3	110.2
50°	5666.1	5035.7	3176.8	537.1	309.7	178.4	157.3	170.4	150.3	115.2	97.2
52.5°	6658.2	5862.5	3285.0	581.2	345.7	191.4	145.3	165.4	145.3	106.2	88.2
55°	7607.2	6339.5	3091.6	613.3	379.8	230.5	136.3	157.3	139.3	101.2	85.2
57.5°	8630.4	6551.9	2434.2	678.4	403.9	263.6	138.3	145.3	131.3	98.2	84.2
60°	8936.0	6280.4	1469.1	763.6	390.8	273.6	153.3	129.3	120.3	92.2	81.2
62.5°	8461.0	5636.0	866.8	695.5	379.8	258.6	175.4	119.3	109.2	84.2	75.2
65°	7750.5	4761.1	565.2	587.3	402.9	230.5	186.4	114.2	99.2	76.2	66.1
67.5°	6938.8	3835.2	395.8	346.7	371.8	207.4	157.3	113.2	89.2	64.1	54.1
70°	5844.4	2872.1	278.6	229.5	309.7	184.4	122.3	110.2	78.2	52.1	42.1
72.5°	4515.6	1797.8	207.4	148.3	220.5	150.3	97.2	93.2	63.1	43.1	32.1
75°	3330.1	1025.2	146.3	107.2	145.3	114.2	72.2	66.1	54.1	41.1	29.1
77.5°	1738.7	513.1	91.2	82.2	83.2	71.2	52.1	48.1	50.1	41.1	27.1
80°	333.7	102.2	55.1	60.1	45.1	45.1	38.1	40.1	44.1	33.1	23.0
82.5°	139.3	22.0	30.1	34.1	28.1	31.1	31.1	32.1	31.1	24.1	17.0
85°	0.0	0.0	13.0	14.0	19.0	19.0	16.0	16.0	16.0	14.0	10.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	6.0	7.0	8.0	6.0	4.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	418.9	416.9	419.9	421.9	423.9	423.9	421.9	419.9	416.9	419.9	416.9
5°	386.8	389.8	394.8	396.8	398.8	394.8	392.8	386.8	381.8	382.8	380.8
7.5°	361.8	364.8	370.8	374.8	374.8	372.8	366.8	360.8	352.8	352.8	351.7
10°	338.7	342.7	349.7	354.8	356.8	354.8	348.7	340.7	333.7	333.7	330.7
12.5°	319.7	324.7	332.7	339.7	341.7	339.7	333.7	325.7	317.7	317.7	315.7
15°	303.6	309.7	318.7	326.7	329.7	326.7	319.7	309.7	301.6	302.6	299.6
17.5°	288.6	293.6	305.7	314.7	317.7	314.7	305.7	292.6	284.6	286.6	284.6
20°	271.6	277.6	289.6	299.6	302.6	299.6	289.6	275.6	267.6	267.6	268.6
22.5°	253.5	259.6	271.6	278.6	282.6	279.6	269.6	256.5	248.5	248.5	249.5
25°	237.5	240.5	249.5	256.5	257.5	254.5	246.5	236.5	230.5	233.5	234.5
27.5°	222.5	222.5	226.5	230.5	229.5	226.5	223.5	215.5	214.5	217.5	220.5
30°	206.4	201.4	199.4	196.4	195.4	194.4	197.4	197.4	199.4	203.4	206.4
32.5°	192.4	182.4	173.4	164.3	159.3	163.3	171.4	178.4	185.4	191.4	194.4
35°	176.4	160.3	145.3	133.3	125.3	131.3	144.3	157.3	169.4	177.4	182.4
37.5°	160.3	137.3	119.3	104.2	98.2	103.2	117.2	135.3	153.3	163.3	170.4
40°	143.3	114.2	93.2	81.2	75.2	80.2	94.2	112.2	136.3	149.3	158.3
42.5°	126.3	94.2	75.2	63.1	60.1	63.1	74.2	92.2	118.3	134.3	146.3
45°	109.2	78.2	60.1	51.1	48.1	51.1	60.1	75.2	101.2	119.3	133.3
47.5°	94.2	66.1	50.1	42.1	40.1	43.1	50.1	63.1	85.2	103.2	119.3
50°	82.2	58.1	43.1	36.1	34.1	37.1	43.1	53.1	72.2	88.2	105.2
52.5°	74.2	54.1	38.1	31.1	30.1	32.1	37.1	45.1	61.1	75.2	91.2
55°	72.2	54.1	35.1	28.1	27.1	29.1	33.1	39.1	53.1	65.1	79.2
57.5°	74.2	58.1	33.1	24.1	23.0	25.1	29.1	34.1	46.1	56.1	69.1
60°	74.2	59.1	29.1	19.0	18.0	20.0	24.1	30.1	41.1	49.1	60.1
62.5°	67.1	54.1	24.1	15.0	13.0	15.0	20.0	25.1	36.1	44.1	53.1
65°	58.1	46.1	20.0	11.0	9.0	11.0	16.0	21.0	31.1	38.1	48.1
67.5°	47.1	35.1	15.0	8.0	6.0	8.0	12.0	17.0	26.1	33.1	43.1
70°	35.1	25.1	12.0	7.0	6.0	7.0	11.0	16.0	23.0	30.1	40.1
72.5°	26.1	17.0	10.0	7.0	5.0	7.0	10.0	15.0	22.0	29.1	38.1
75°	22.0	14.0	9.0	6.0	5.0	6.0	9.0	14.0	20.0	27.1	36.1
77.5°	21.0	13.0	8.0	5.0	4.0	5.0	8.0	12.0	18.0	25.1	35.1
80°	18.0	11.0	7.0	4.0	3.0	4.0	7.0	10.0	14.0	19.0	27.1
82.5°	14.0	9.0	5.0	2.0	1.0	2.0	5.0	6.0	9.0	11.0	16.0
85°	9.0	5.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0	5.0	8.0
87.5°	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	422.9	423.9	425.9	428.9	435.9	441.9	448.0	456.0	460.0	460.0
5°	382.8	383.8	384.8	388.8	398.8	406.9	419.9	435.9	443.9	445.9
7.5°	351.7	353.8	355.8	358.8	368.8	379.8	396.8	426.9	441.9	444.9
10°	333.7	336.7	340.7	346.7	355.8	367.8	396.8	451.0	476.0	481.0
12.5°	319.7	324.7	328.7	335.7	346.7	365.8	423.9	519.1	563.2	575.2
15°	305.7	311.7	317.7	324.7	336.7	372.8	476.0	641.4	714.5	723.5
17.5°	291.6	298.6	306.7	314.7	329.7	389.8	558.2	810.7	912.9	933.0
20°	275.6	284.6	295.6	305.7	322.7	416.9	672.4	1012.2	1140.4	1183.5
22.5°	258.6	269.6	282.6	295.6	314.7	450.0	810.7	1228.6	1408.0	1436.1
25°	244.5	255.5	267.6	280.6	301.6	490.0	978.1	1497.2	1660.5	1687.6
27.5°	231.5	242.5	253.5	265.6	288.6	542.2	1179.5	1782.8	1953.2	1981.2
30°	217.5	230.5	241.5	253.5	276.6	606.3	1412.0	2099.5	2260.8	2286.9
32.5°	205.4	218.5	229.5	241.5	267.6	676.4	1656.5	2380.1	2511.3	2511.3
35°	195.4	209.4	217.5	233.5	260.6	721.5	1888.0	2647.6	2746.8	2742.8
37.5°	184.4	201.4	207.4	218.5	251.5	726.5	2105.5	2930.2	3003.4	2977.3
40°	173.4	191.4	200.4	206.4	241.5	685.5	2344.0	3189.8	3251.9	3217.9
42.5°	163.3	177.4	190.4	197.4	235.5	613.3	2535.4	3467.4	3541.5	3511.5
45°	153.3	165.4	173.4	186.4	239.5	563.2	2699.7	3791.1	3921.3	3899.3
47.5°	143.3	153.3	158.3	178.4	266.6	540.1	2800.0	4292.1	4537.7	4519.6
50°	132.3	144.3	144.3	176.4	306.7	548.2	2887.1	5017.7	5397.5	5391.5
52.5°	121.3	134.3	132.3	191.4	337.7	585.2	2986.4	5658.0	6318.5	6373.6
55°	110.2	122.3	124.3	221.5	355.8	617.3	2602.5	5927.6	7105.1	7298.5
57.5°	98.2	105.2	129.3	244.5	349.7	710.5	1782.8	5976.7	7607.2	8022.1
60°	85.2	91.2	146.3	239.5	330.7	656.4	1122.4	5535.8	7536.0	8062.2
62.5°	74.2	84.2	154.3	211.5	336.7	569.2	715.5	4718.0	6857.6	7457.9
65°	65.1	81.2	140.3	191.4	340.7	385.8	483.0	3838.2	6195.2	6766.4
67.5°	58.1	90.2	115.2	170.4	292.6	271.6	331.7	2982.3	5209.1	5721.2
70°	53.1	92.2	94.2	146.3	226.5	174.4	218.5	2007.3	3590.6	4175.9
72.5°	48.1	68.1	71.2	117.2	146.3	106.2	141.3	1148.4	2617.6	3016.4
75°	46.1	46.1	49.1	76.2	81.2	77.2	91.2	685.5	1877.0	2168.6
77.5°	43.1	35.1	31.1	49.1	44.1	55.1	54.1	304.6	813.7	879.9
80°	34.1	25.1	21.0	31.1	30.1	37.1	32.1	25.1	37.1	36.1
82.5°	21.0	16.0	15.0	19.0	17.0	19.0	15.0	4.0	4.0	4.0
85°	10.0	9.0	8.0	8.0	9.0	8.0	6.0	2.0	1.0	1.0
87.5°	5.0	5.0	4.0	3.0	4.0	4.0	3.0	1.0	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

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