

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: P634745

Luminaire Tested: GWS-SA3C-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634745
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-SA3C-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8538.4 lumens
Efficiency: N/A
Efficacy: 91.8 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

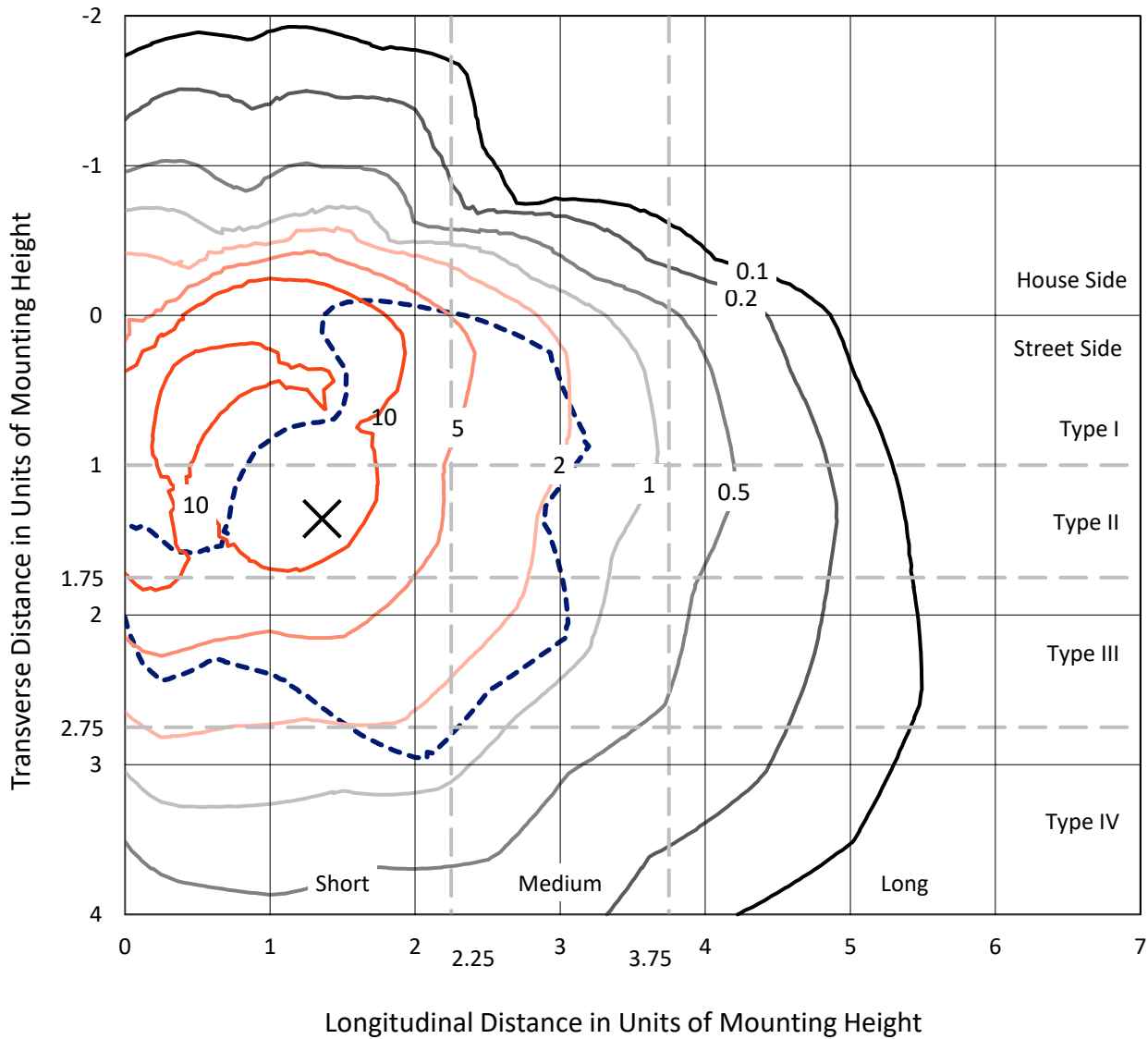
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

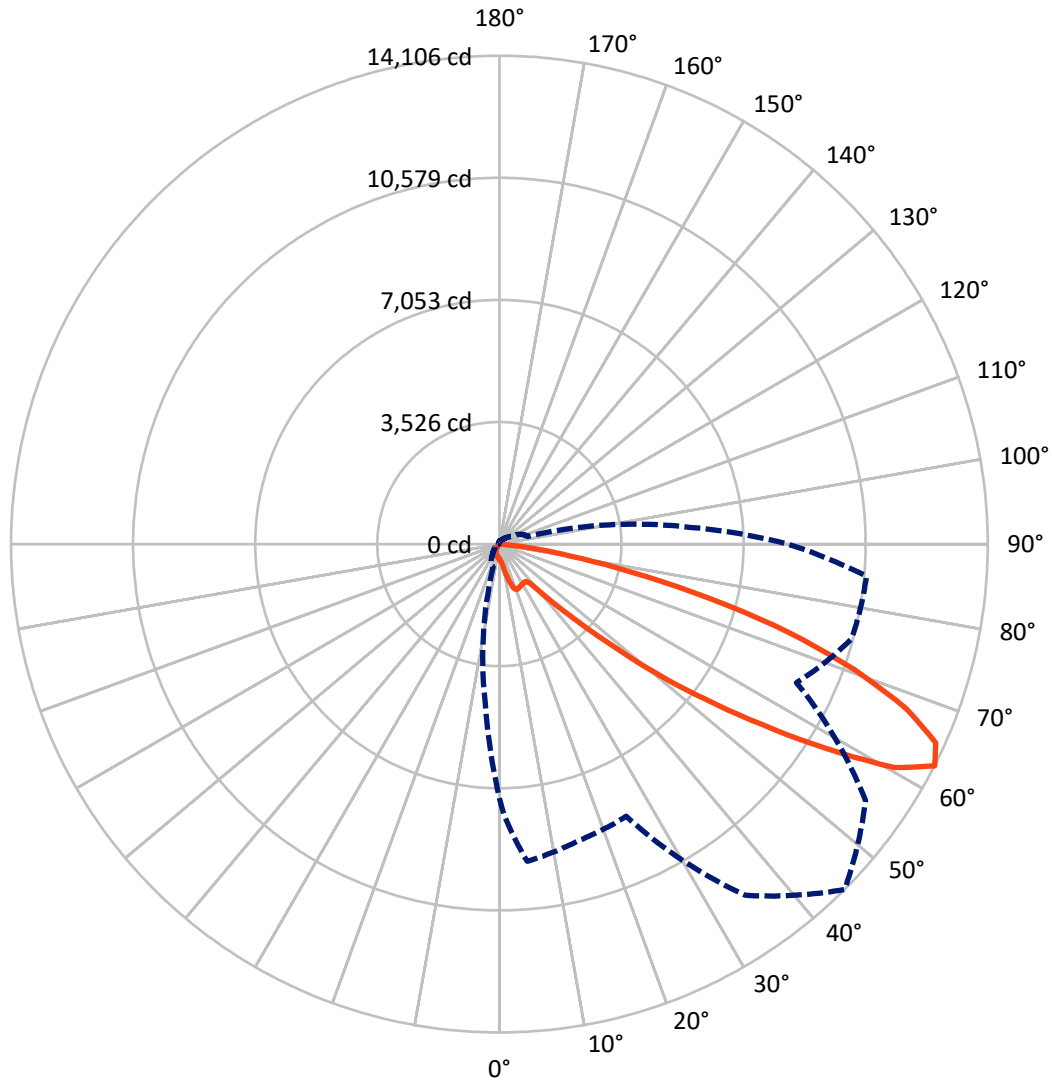
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 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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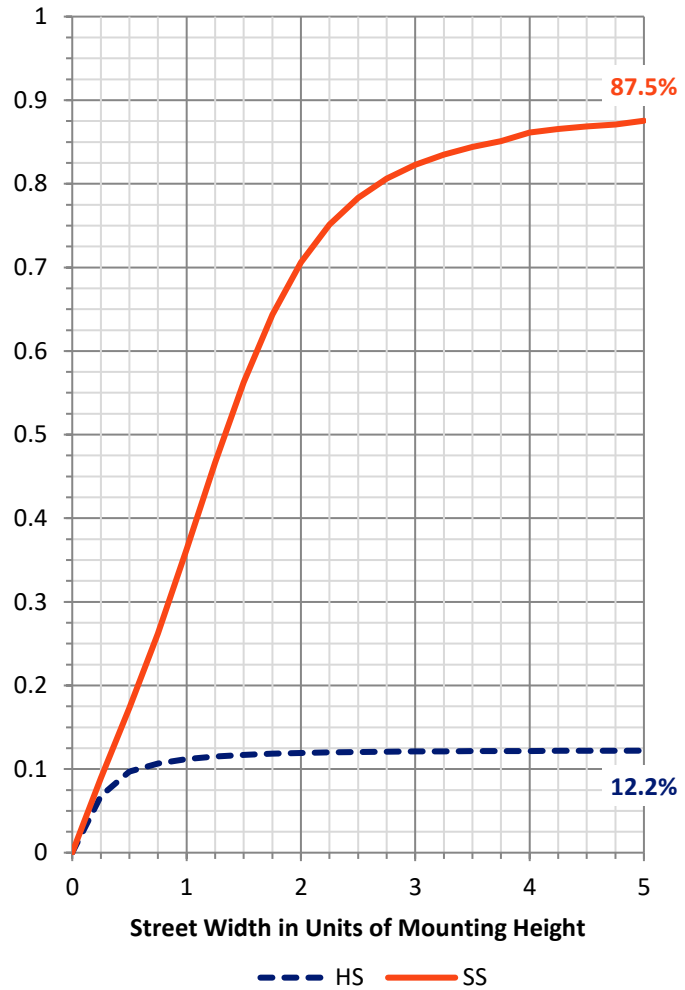
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.6	0.0	1053.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	7484.8	0.0	7484.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	8538.4	0.0	8538.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.5
10°-20°	148.9	1.7
20°-30°	323.6	3.8
30°-40°	531.1	6.2
40°-50°	976.4	11.4
50°-60°	2096.9	24.6
60°-70°	2816.5	33.0
70°-80°	1466.6	17.2
80°-90°	139.1	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°	8538.4	100.0
0°-180°	8538.4	100.0

Coefficient of Utilization



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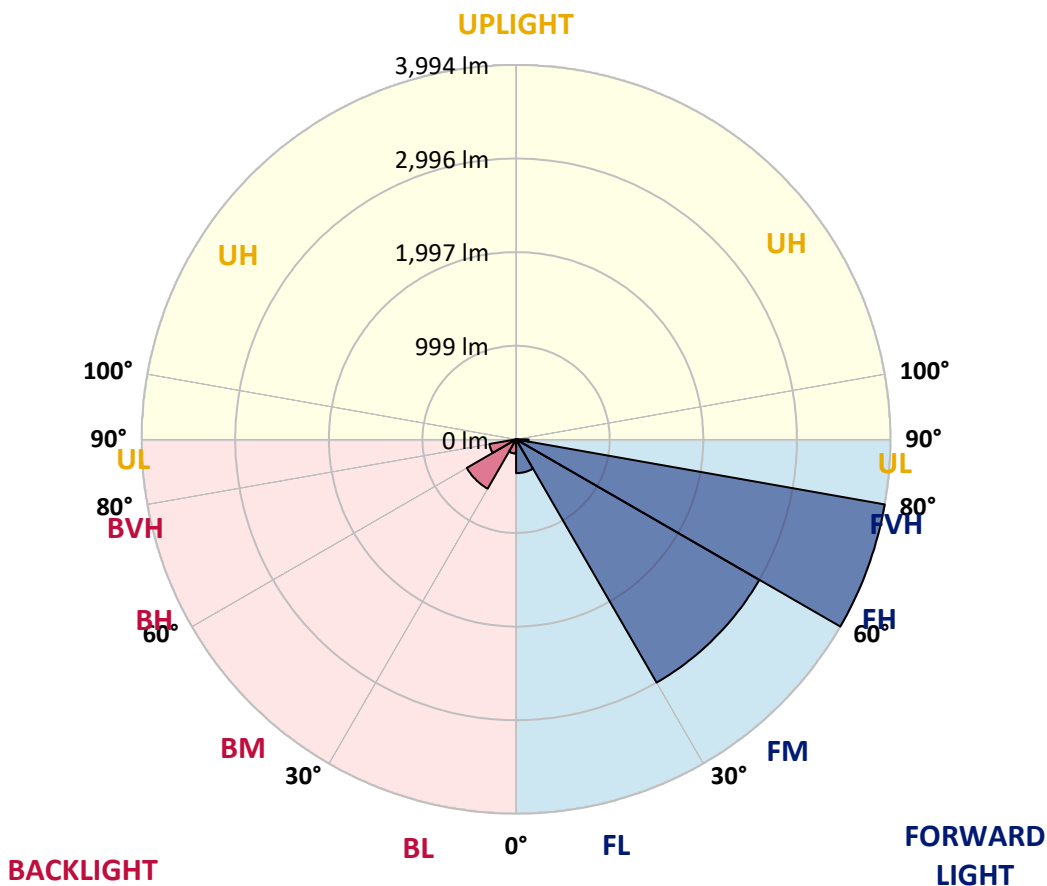
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.7	4.2			
FM (30°-60°)	2996.9	35.1			
FH (60°-80°)	3994.3	46.8			G2/5000
FVH (80°-90°)	132.9	1.6			G2/225
BL (0°-30°)	151.1	1.8	B1/500		
BM (30°-60°)	607.6	7.1	B1/1000		
BH (60°-80°)	288.7	3.4	B1/500		G1/500
BVH (80°-90°)	6.2	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°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	452.7	454.7	456.6	463.5	468.5	472.4	473.4	470.4	463.5	456.6	446.8
5°	438.9	440.9	447.8	466.5	485.2	500.0	505.0	502.0	485.2	463.5	440.9
7.5°	437.9	441.8	458.6	498.1	538.5	569.1	577.0	570.1	538.5	495.1	448.7
10°	473.4	480.3	505.0	576.0	649.9	704.2	725.9	696.3	646.0	567.1	491.2
12.5°	566.1	577.9	625.3	728.8	843.3	915.3	944.8	908.3	829.4	715.0	594.7
15°	712.1	729.8	800.8	955.7	1090.8	1154.9	1164.8	1144.1	1052.3	926.1	764.4
17.5°	918.2	943.9	1054.3	1212.1	1309.8	1332.4	1329.5	1307.8	1240.7	1153.9	1001.1
20°	1164.8	1195.4	1303.8	1434.0	1443.9	1417.3	1402.5	1389.6	1367.0	1352.2	1232.8
22.5°	1413.3	1450.8	1564.2	1596.8	1508.0	1431.1	1394.6	1404.4	1438.0	1511.0	1462.6
25°	1660.9	1696.4	1802.9	1715.1	1537.6	1409.4	1363.0	1386.7	1466.6	1624.4	1686.5
27.5°	1949.8	1976.5	2039.6	1796.0	1542.5	1391.6	1346.2	1382.7	1480.4	1695.4	1932.1
30°	2250.7	2266.4	2235.9	1817.7	1525.7	1365.0	1329.5	1382.7	1504.1	1742.7	2116.5
32.5°	2471.6	2474.5	2374.9	1819.7	1516.9	1343.3	1313.7	1376.8	1526.7	1782.2	2295.0
35°	2699.4	2684.6	2508.1	1849.2	1540.5	1351.2	1325.5	1393.6	1562.2	1828.5	2451.8
37.5°	2930.2	2903.6	2657.0	1897.6	1601.7	1437.0	1421.2	1479.4	1619.4	1892.6	2624.4
40°	3166.9	3130.4	2811.8	1970.6	1737.8	1728.9	1783.2	1776.3	1776.3	1974.5	2802.0
42.5°	3455.9	3413.5	3040.6	2176.7	2055.4	2253.6	2401.5	2309.8	2140.2	2162.9	3032.8
45°	3837.5	3801.1	3437.1	2571.2	2553.4	3009.1	3208.3	3026.8	2604.7	2597.8	3418.4
47.5°	4448.0	4441.1	4069.3	3028.8	3162.9	3970.7	4355.3	4006.2	3134.3	3058.4	4148.2
50°	5306.1	5285.4	4857.3	3565.3	3887.8	5162.1	5848.5	5266.6	3774.4	3595.9	5125.6
52.5°	6272.6	6294.3	5961.0	4151.2	4658.1	6487.6	7443.3	6710.5	4469.7	4279.4	6355.5
55°	7182.9	7307.2	7219.4	4836.6	5410.6	7951.2	9194.9	8294.5	5330.7	5173.9	7734.3
57.5°	7895.0	8245.2	8860.6	5832.8	6295.3	9663.4	11150.7	10011.5	6335.7	6626.7	9611.1
60°	7934.5	8398.0	9827.1	7916.7	7433.5	11131.9	13103.5	11689.2	7915.7	9093.3	11081.6
62.5°	7339.8	7836.8	9197.9	8863.5	8673.2	12381.5	14105.5	12912.1	9470.1	10538.2	10645.7
65°	6659.2	7161.3	8495.7	7789.5	8529.2	12328.3	13851.1	12940.7	9611.1	9555.9	9865.6
67.5°	5630.6	6081.3	7289.5	6895.0	7861.5	11733.6	12675.4	12125.1	8854.7	8937.5	9075.6
70°	4109.8	4543.7	5665.1	5684.8	6865.4	10661.5	10891.3	10815.4	8154.4	8242.2	7847.7
72.5°	2968.6	3334.6	4302.1	4662.1	5480.7	8940.5	8781.7	9074.6	6996.5	7340.8	6303.2
75°	2134.3	2408.5	3156.0	4055.5	4344.5	6639.5	6286.4	7028.1	5613.8	6321.0	4739.0
77.5°	865.9	962.6	1241.7	2731.9	2855.2	4466.8	3848.4	5104.9	4002.3	4153.2	2297.0
80°	35.5	39.5	51.3	1410.4	1957.7	2513.0	2059.3	2729.0	2643.2	1672.7	542.4
82.5°	3.9	3.9	8.9	406.3	857.1	1386.7	970.5	1572.1	1338.4	709.1	246.6
85°	1.0	1.0	2.0	46.4	201.2	221.9	131.2	482.3	622.3	290.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	8.9	9.9	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°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	446.8	441.8	435.9	430.0	427.1	419.2	416.2	414.2	412.3	413.2	413.2
5°	432.0	421.1	408.3	395.5	388.6	380.7	376.8	374.8	375.8	379.7	379.7
7.5°	430.0	409.3	381.7	364.9	357.0	351.1	347.2	345.2	346.2	351.1	353.1
10°	462.6	426.1	376.8	348.2	339.3	333.4	329.4	326.5	324.5	328.4	329.4
12.5°	532.6	482.3	400.4	346.2	330.4	322.5	319.5	313.6	310.7	312.6	313.6
15°	677.6	590.8	447.8	354.1	322.5	313.6	308.7	303.8	298.8	297.9	298.8
17.5°	866.9	742.7	519.8	372.8	316.6	305.7	298.8	291.9	285.0	284.0	283.1
20°	1101.7	929.1	620.4	402.4	311.7	298.8	289.0	279.1	270.2	267.3	267.3
22.5°	1315.7	1153.9	749.6	438.9	304.8	289.0	277.1	265.3	255.4	250.5	249.5
25°	1577.0	1392.6	904.4	481.3	294.9	276.2	263.3	251.5	241.6	235.7	233.7
27.5°	1840.4	1644.1	1080.0	536.5	283.1	263.3	251.5	240.6	229.8	222.9	220.9
30°	2095.8	1915.3	1277.2	605.6	274.2	250.5	240.6	229.8	219.9	209.1	206.1
32.5°	2370.0	2192.5	1498.1	682.5	267.3	241.6	230.8	220.9	208.1	198.2	193.3
35°	2634.3	2478.5	1741.7	757.4	260.4	233.7	221.9	212.0	198.2	187.4	180.5
37.5°	2900.6	2769.4	1996.2	802.8	250.5	222.9	212.0	204.2	188.4	175.6	167.7
40°	3182.7	3070.2	2271.4	784.1	241.6	211.1	205.1	196.3	178.5	163.7	153.9
42.5°	3492.4	3357.2	2551.5	712.1	233.7	201.2	195.3	186.4	169.6	151.9	139.1
45°	3881.9	3671.9	2781.3	603.6	237.7	191.3	179.5	177.5	161.7	139.1	123.3
47.5°	4551.6	4155.1	2959.8	533.6	264.3	180.5	166.7	171.6	154.8	126.2	108.5
50°	5576.3	4956.0	3126.5	528.6	304.8	175.6	154.8	167.7	147.9	113.4	95.7
52.5°	6552.7	5769.6	3233.0	572.0	340.3	188.4	143.0	162.7	143.0	104.5	86.8
55°	7486.7	6239.1	3042.6	603.6	373.8	226.8	134.1	154.8	137.1	99.6	83.8
57.5°	8493.7	6448.2	2395.6	667.7	397.5	259.4	136.1	143.0	129.2	96.7	82.8
60°	8794.5	6180.9	1445.9	751.5	384.6	269.2	150.9	127.2	118.4	90.7	79.9
62.5°	8327.0	5546.7	853.1	684.5	373.8	254.5	172.6	117.4	107.5	82.8	74.0
65°	7627.8	4685.7	556.3	577.9	396.5	226.8	183.4	112.4	97.6	75.0	65.1
67.5°	6828.9	3774.4	389.6	341.2	365.9	204.2	154.8	111.4	87.8	63.1	53.3
70°	5751.9	2826.6	274.2	225.9	304.8	181.5	120.3	108.5	76.9	51.3	41.4
72.5°	4444.1	1769.4	204.2	146.0	217.0	147.9	95.7	91.7	62.1	42.4	31.6
75°	3277.3	1008.9	144.0	105.5	143.0	112.4	71.0	65.1	53.3	40.4	28.6
77.5°	1711.2	505.0	89.7	80.9	81.9	70.0	51.3	47.3	49.3	40.4	26.6
80°	328.4	100.6	54.2	59.2	44.4	44.4	37.5	39.5	43.4	32.5	22.7
82.5°	137.1	21.7	29.6	33.5	27.6	30.6	30.6	31.6	30.6	23.7	16.8
85°	0.0	0.0	12.8	13.8	18.7	18.7	15.8	15.8	15.8	13.8	9.9
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	5.9	6.9	7.9	5.9	3.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	412.3	410.3	413.2	415.2	417.2	417.2	415.2	413.2	410.3	413.2	410.3
5°	380.7	383.7	388.6	390.6	392.5	388.6	386.6	380.7	375.8	376.8	374.8
7.5°	356.0	359.0	364.9	368.9	368.9	366.9	361.0	355.1	347.2	347.2	346.2
10°	333.4	337.3	344.2	349.1	351.1	349.1	343.2	335.3	328.4	328.4	325.5
12.5°	314.6	319.5	327.4	334.3	336.3	334.3	328.4	320.5	312.6	312.6	310.7
15°	298.8	304.8	313.6	321.5	324.5	321.5	314.6	304.8	296.9	297.9	294.9
17.5°	284.0	289.0	300.8	309.7	312.6	309.7	300.8	288.0	280.1	282.1	280.1
20°	267.3	273.2	285.0	294.9	297.9	294.9	285.0	271.2	263.3	263.3	264.3
22.5°	249.5	255.4	267.3	274.2	278.1	275.2	265.3	252.5	244.6	244.6	245.6
25°	233.7	236.7	245.6	252.5	253.5	250.5	242.6	232.8	226.8	229.8	230.8
27.5°	219.0	219.0	222.9	226.8	225.9	222.9	219.9	212.0	211.1	214.0	217.0
30°	203.2	198.2	196.3	193.3	192.3	191.3	194.3	194.3	196.3	200.2	203.2
32.5°	189.4	179.5	170.6	161.7	156.8	160.8	168.7	175.6	182.5	188.4	191.3
35°	173.6	157.8	143.0	131.2	123.3	129.2	142.0	154.8	166.7	174.6	179.5
37.5°	157.8	135.1	117.4	102.6	96.7	101.6	115.4	133.1	150.9	160.8	167.7
40°	141.0	112.4	91.7	79.9	74.0	78.9	92.7	110.5	134.1	147.0	155.8
42.5°	124.3	92.7	74.0	62.1	59.2	62.1	73.0	90.7	116.4	132.2	144.0
45°	107.5	76.9	59.2	50.3	47.3	50.3	59.2	74.0	99.6	117.4	131.2
47.5°	92.7	65.1	49.3	41.4	39.5	42.4	49.3	62.1	83.8	101.6	117.4
50°	80.9	57.2	42.4	35.5	33.5	36.5	42.4	52.3	71.0	86.8	103.6
52.5°	73.0	53.3	37.5	30.6	29.6	31.6	36.5	44.4	60.2	74.0	89.7
55°	71.0	53.3	34.5	27.6	26.6	28.6	32.5	38.5	52.3	64.1	77.9
57.5°	73.0	57.2	32.5	23.7	22.7	24.7	28.6	33.5	45.4	55.2	68.1
60°	73.0	58.2	28.6	18.7	17.8	19.7	23.7	29.6	40.4	48.3	59.2
62.5°	66.1	53.3	23.7	14.8	12.8	14.8	19.7	24.7	35.5	43.4	52.3
65°	57.2	45.4	19.7	10.8	8.9	10.8	15.8	20.7	30.6	37.5	47.3
67.5°	46.4	34.5	14.8	7.9	5.9	7.9	11.8	16.8	25.6	32.5	42.4
70°	34.5	24.7	11.8	6.9	5.9	6.9	10.8	15.8	22.7	29.6	39.5
72.5°	25.6	16.8	9.9	6.9	4.9	6.9	9.9	14.8	21.7	28.6	37.5
75°	21.7	13.8	8.9	5.9	4.9	5.9	8.9	13.8	19.7	26.6	35.5
77.5°	20.7	12.8	7.9	4.9	3.9	4.9	7.9	11.8	17.8	24.7	34.5
80°	17.8	10.8	6.9	3.9	3.0	3.9	6.9	9.9	13.8	18.7	26.6
82.5°	13.8	8.9	4.9	2.0	1.0	2.0	4.9	5.9	8.9	10.8	15.8
85°	8.9	4.9	2.0	0.0	0.0	0.0	2.0	3.9	3.9	4.9	7.9
87.5°	3.9	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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CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	416.2	417.2	419.2	422.1	429.0	434.9	440.9	448.7	452.7	452.7
5°	376.8	377.7	378.7	382.7	392.5	400.4	413.2	429.0	436.9	438.9
7.5°	346.2	348.2	350.1	353.1	362.9	373.8	390.6	420.1	434.9	437.9
10°	328.4	331.4	335.3	341.2	350.1	362.0	390.6	443.8	468.5	473.4
12.5°	314.6	319.5	323.5	330.4	341.2	360.0	417.2	510.9	554.3	566.1
15°	300.8	306.7	312.6	319.5	331.4	366.9	468.5	631.2	703.2	712.1
17.5°	287.0	293.9	301.8	309.7	324.5	383.7	549.3	797.9	898.5	918.2
20°	271.2	280.1	290.9	300.8	317.6	410.3	661.8	996.1	1122.4	1164.8
22.5°	254.5	265.3	278.1	290.9	309.7	442.8	797.9	1209.2	1385.7	1413.3
25°	240.6	251.5	263.3	276.2	296.9	482.3	962.6	1473.5	1634.2	1660.9
27.5°	227.8	238.7	249.5	261.4	284.0	533.6	1160.8	1754.6	1922.2	1949.8
30°	214.0	226.8	237.7	249.5	272.2	596.7	1389.6	2066.2	2225.0	2250.7
32.5°	202.2	215.0	225.9	237.7	263.3	665.7	1630.3	2342.4	2471.6	2471.6
35°	192.3	206.1	214.0	229.8	256.4	710.1	1858.1	2605.7	2703.3	2699.4
37.5°	181.5	198.2	204.2	215.0	247.6	715.0	2072.1	2883.8	2955.8	2930.2
40°	170.6	188.4	197.3	203.2	237.7	674.6	2306.9	3139.3	3200.4	3166.9
42.5°	160.8	174.6	187.4	194.3	231.8	603.6	2495.2	3412.5	3485.5	3455.9
45°	150.9	162.7	170.6	183.4	235.7	554.3	2657.0	3731.0	3859.2	3837.5
47.5°	141.0	150.9	155.8	175.6	262.3	531.6	2755.6	4224.2	4465.8	4448.0
50°	130.2	142.0	142.0	173.6	301.8	539.5	2841.4	4938.2	5312.0	5306.1
52.5°	119.3	132.2	130.2	188.4	332.4	576.0	2939.1	5568.4	6218.4	6272.6
55°	108.5	120.3	122.3	218.0	350.1	607.5	2561.3	5833.7	6992.6	7182.9
57.5°	96.7	103.6	127.2	240.6	344.2	699.3	1754.6	5882.1	7486.7	7895.0
60°	83.8	89.7	144.0	235.7	325.5	646.0	1104.6	5448.1	7416.7	7934.5
62.5°	73.0	82.8	151.9	208.1	331.4	560.2	704.2	4643.3	6749.0	7339.8
65°	64.1	79.9	138.1	188.4	335.3	379.7	475.4	3777.4	6097.1	6659.2
67.5°	57.2	88.8	113.4	167.7	288.0	267.3	326.5	2935.1	5126.6	5630.6
70°	52.3	90.7	92.7	144.0	222.9	171.6	215.0	1975.5	3533.8	4109.8
72.5°	47.3	67.1	70.0	115.4	144.0	104.5	139.1	1130.3	2576.1	2968.6
75°	45.4	45.4	48.3	75.0	79.9	75.9	89.7	674.6	1847.3	2134.3
77.5°	42.4	34.5	30.6	48.3	43.4	54.2	53.3	299.8	800.8	865.9
80°	33.5	24.7	20.7	30.6	29.6	36.5	31.6	24.7	36.5	35.5
82.5°	20.7	15.8	14.8	18.7	16.8	18.7	14.8	3.9	3.9	3.9
85°	9.9	8.9	7.9	7.9	8.9	7.9	5.9	2.0	1.0	1.0
87.5°	4.9	4.9	3.9	3.0	3.9	3.9	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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