

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: P635240

Luminaire Tested: GWS-SA3D-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635240
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-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: 10771.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

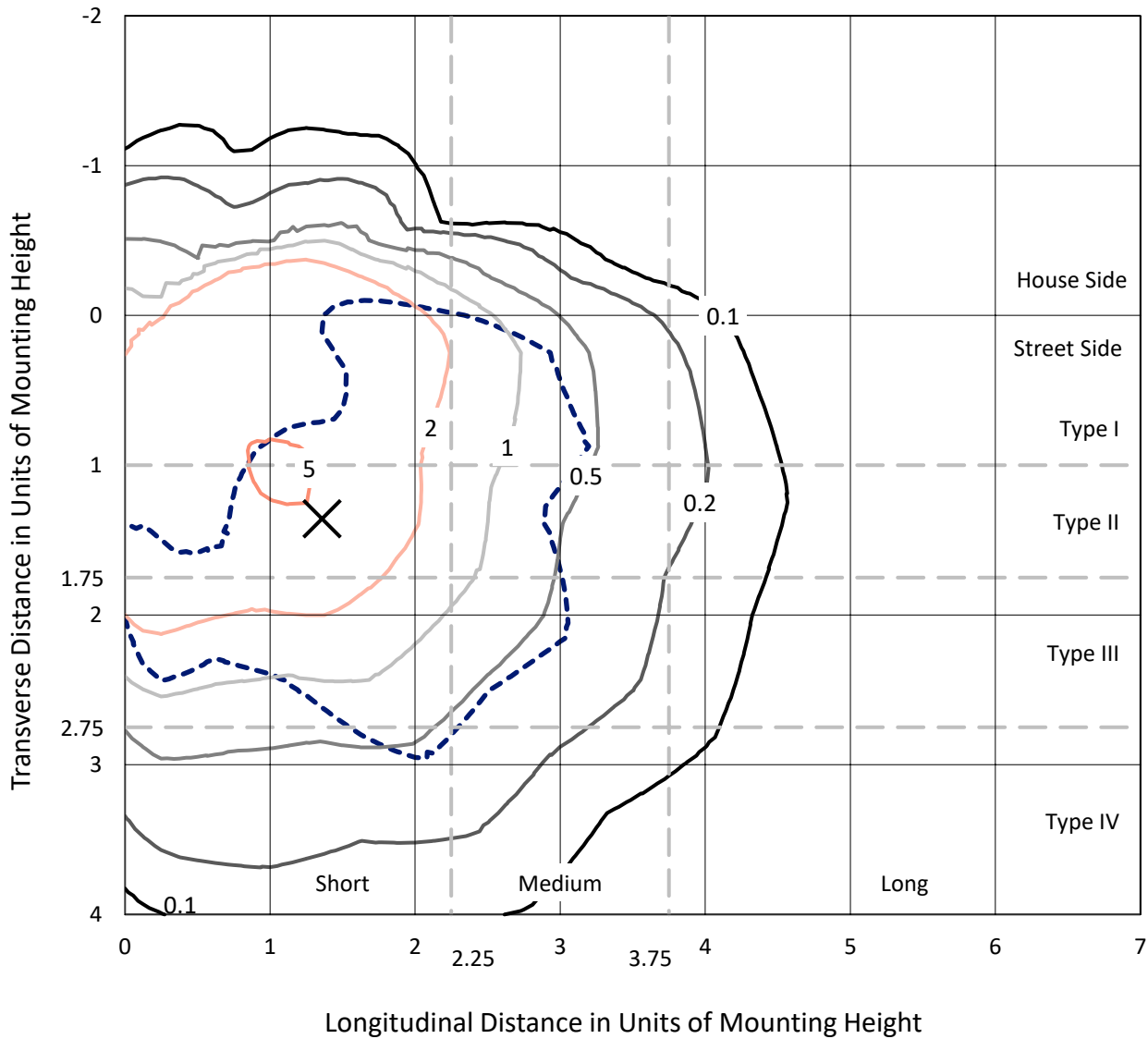
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

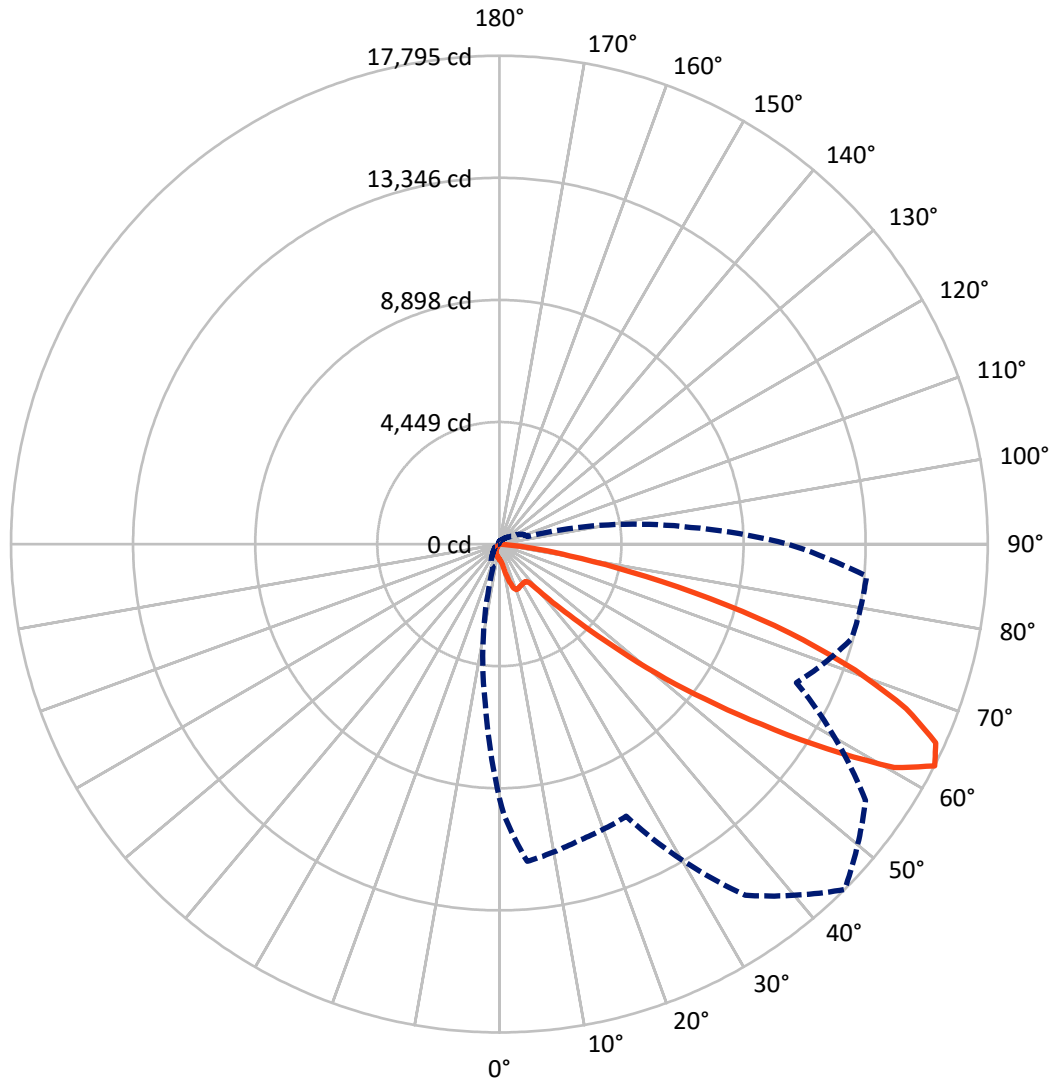
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	1329.2	0.0	1329.2
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	9442.5	0.0	9442.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	10771.7	0.0	10771.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	0.5
10°-20°	187.8	1.7
20°-30°	408.2	3.8
30°-40°	670.1	6.2
40°-50°	1231.8	11.4
50°-60°	2645.4	24.6
60°-70°	3553.1	33.0
70°-80°	1850.2	17.2
80°-90°	175.4	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°	10771.7	100.0
0°-180°	10771.7	100.0

Coefficient of Utilization

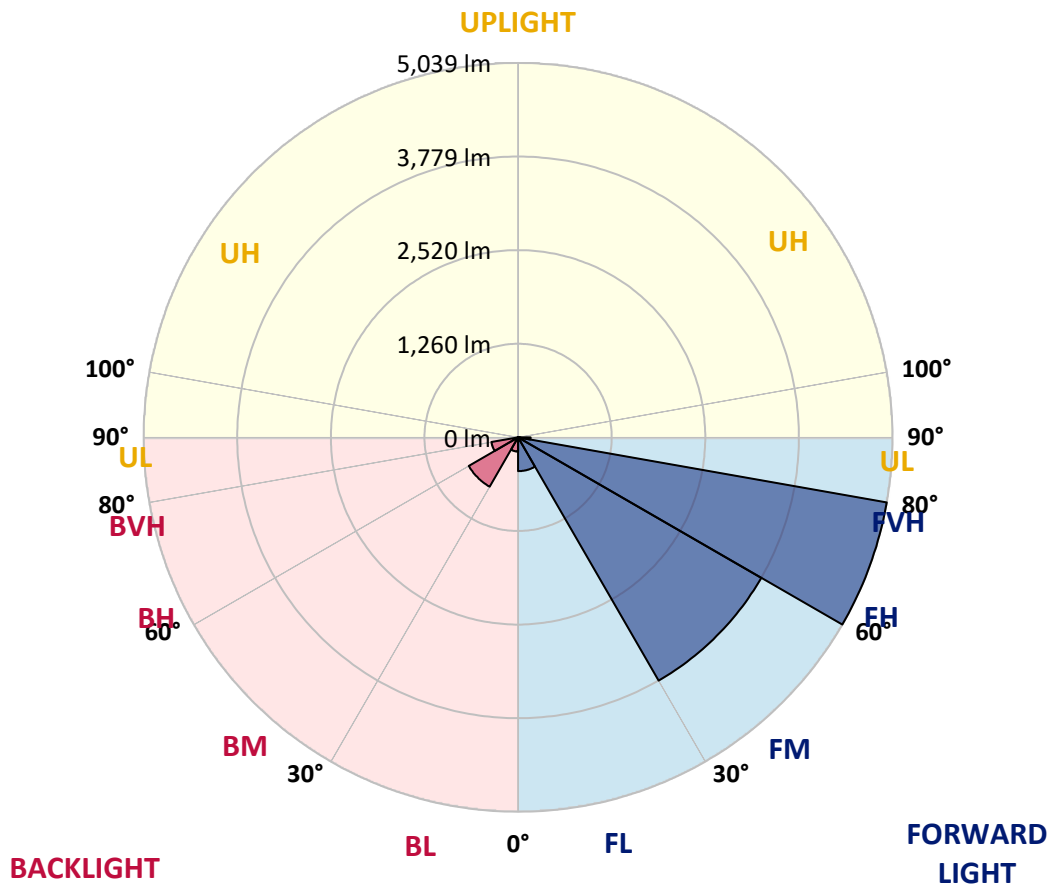


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.0	4.2			
FM (30°-60°)	3780.7	35.1			
FH (60°-80°)	5039.1	46.8			G3/7500
FVH (80°-90°)	167.6	1.6			G2/225
BL (0°-30°)	190.7	1.8	B1/500		
BM (30°-60°)	766.5	7.1	B1/1000		
BH (60°-80°)	364.2	3.4	B1/500		G1/500
BVH (80°-90°)	7.8	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9
2.5°	571.1	573.6	576.1	584.8	591.0	596.0	597.2	593.5	584.8	576.1	563.6
5°	553.7	556.2	564.9	588.5	612.2	630.8	637.0	633.3	612.2	584.8	556.2
7.5°	552.4	557.4	578.6	628.3	679.3	717.9	727.9	719.2	679.3	624.6	566.1
10°	597.2	605.9	637.0	726.6	819.9	888.4	915.8	878.4	815.0	715.4	619.6
12.5°	714.2	729.1	788.8	919.5	1063.8	1154.6	1192.0	1145.9	1046.4	902.1	750.3
15°	898.3	920.7	1010.3	1205.7	1376.1	1457.0	1469.4	1443.3	1327.6	1168.3	964.3
17.5°	1158.4	1190.7	1330.1	1529.2	1652.3	1681.0	1677.2	1649.8	1565.2	1455.7	1262.9
20°	1469.4	1508.0	1644.9	1809.1	1821.6	1788.0	1769.3	1753.1	1724.5	1705.8	1555.3
22.5°	1783.0	1830.3	1973.3	2014.4	1902.4	1805.4	1759.3	1771.8	1814.1	1906.2	1845.2
25°	2095.3	2140.1	2274.5	2163.7	1939.8	1778.0	1719.5	1749.4	1850.2	2049.2	2127.6
27.5°	2459.8	2493.4	2573.1	2265.7	1946.0	1755.6	1698.4	1744.4	1867.6	2138.8	2437.4
30°	2839.3	2859.2	2820.7	2293.1	1924.8	1722.0	1677.2	1744.4	1897.4	2198.6	2670.1
32.5°	3118.0	3121.8	2996.1	2295.6	1913.6	1694.6	1657.3	1736.9	1926.1	2248.3	2895.3
35°	3405.5	3386.8	3164.1	2332.9	1943.5	1704.6	1672.2	1758.1	1970.9	2306.8	3093.2
37.5°	3696.6	3663.0	3352.0	2393.9	2020.6	1812.8	1792.9	1866.3	2043.0	2387.7	3310.9
40°	3995.2	3949.2	3547.3	2486.0	2192.3	2181.1	2249.6	2240.9	2240.9	2490.9	3534.9
42.5°	4359.8	4306.3	3836.0	2746.0	2593.0	2843.1	3029.7	2914.0	2700.0	2728.6	3826.0
45°	4841.3	4795.3	4336.1	3243.7	3221.3	3796.1	4047.5	3818.5	3286.0	3277.3	4312.5
47.5°	5611.5	5602.8	5133.7	3821.0	3990.2	5009.3	5494.5	5054.1	3954.2	3858.4	5233.2
50°	6694.0	6667.8	6127.8	4497.9	4904.7	6512.3	7378.3	6644.2	4761.7	4536.5	6466.3
52.5°	7913.3	7940.7	7520.1	5237.0	5876.5	8184.5	9390.2	8465.7	5638.8	5398.7	8017.8
55°	9061.7	9218.5	9107.8	6101.7	6825.8	10031.0	11599.9	10464.0	6725.1	6527.2	9757.2
57.5°	9960.1	10401.8	11178.2	7358.4	7941.9	12191.0	14067.3	12630.2	7992.9	8360.0	12125.0
60°	10009.8	10594.6	12397.5	9987.4	9377.8	14043.6	16530.8	14746.6	9986.2	11471.8	13980.2
62.5°	9259.6	9886.6	11603.7	11181.9	10941.7	15620.0	17795.0	16289.4	11947.1	13294.6	13430.2
65°	8401.0	9034.3	10717.8	9826.9	10760.1	15552.9	17473.9	16325.5	12125.0	12055.3	12446.0
67.5°	7103.3	7671.9	9196.1	8698.4	9917.7	14802.6	15990.8	15296.5	11170.7	11275.2	11449.4
70°	5184.7	5732.2	7146.8	7171.7	8661.1	13450.1	13740.0	13644.2	10287.3	10398.0	9900.3
72.5°	3745.1	4206.7	5427.3	5881.5	6914.2	11278.9	11078.6	11448.1	8826.6	9260.8	7951.9
75°	2692.5	3038.4	3981.5	5116.3	5480.8	8376.1	7930.7	8866.4	7082.2	7974.3	5978.5
77.5°	1092.4	1214.4	1566.5	3446.5	3602.0	5635.1	4855.0	6440.1	5049.1	5239.4	2897.8
80°	44.8	49.8	64.7	1779.2	2469.8	3170.3	2597.9	3442.8	3334.5	2110.2	684.3
82.5°	5.0	5.0	11.2	512.6	1081.2	1749.4	1224.3	1983.3	1688.4	894.6	311.1
85°	1.2	1.2	2.5	58.5	253.8	280.0	165.5	608.4	785.1	365.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	11.2	12.4	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°	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9
2.5°	563.6	557.4	549.9	542.5	538.8	528.8	525.1	522.6	520.1	521.3	521.3
5°	545.0	531.3	515.1	498.9	490.2	480.3	475.3	472.8	474.1	479.0	479.0
7.5°	542.5	516.4	481.5	460.4	450.4	442.9	438.0	435.5	436.7	442.9	445.4
10°	583.5	537.5	475.3	439.2	428.0	420.5	415.6	411.8	409.4	414.3	415.6
12.5°	671.9	608.4	505.2	436.7	416.8	406.9	403.1	395.7	391.9	394.4	395.7
15°	854.8	745.3	564.9	446.7	406.9	395.7	389.4	383.2	377.0	375.8	377.0
17.5°	1093.7	936.9	655.7	470.3	399.4	385.7	377.0	368.3	359.6	358.3	357.1
20°	1389.8	1172.1	782.6	507.6	393.2	377.0	364.6	352.1	340.9	337.2	337.2
22.5°	1659.8	1455.7	945.6	553.7	384.5	364.6	349.6	334.7	322.3	316.0	314.8
25°	1989.5	1756.9	1141.0	607.2	372.0	348.4	332.2	317.3	304.8	297.4	294.9
27.5°	2321.7	2074.1	1362.4	676.9	357.1	332.2	317.3	303.6	289.9	281.2	278.7
30°	2644.0	2416.3	1611.3	764.0	345.9	316.0	303.6	289.9	277.5	263.8	260.0
32.5°	2989.9	2765.9	1890.0	861.0	337.2	304.8	291.1	278.7	262.5	250.1	243.9
35°	3323.3	3126.7	2197.3	955.6	328.5	294.9	280.0	267.5	250.1	236.4	227.7
37.5°	3659.3	3493.8	2518.3	1012.8	316.0	281.2	267.5	257.6	237.6	221.5	211.5
40°	4015.1	3873.3	2865.5	989.2	304.8	266.3	258.8	247.6	225.2	206.5	194.1
42.5°	4405.8	4235.4	3218.8	898.3	294.9	253.8	246.4	235.2	214.0	191.6	175.4
45°	4897.3	4632.3	3508.7	761.5	299.9	241.4	226.4	224.0	204.1	175.4	155.5
47.5°	5742.1	5241.9	3733.9	673.1	333.5	227.7	210.3	216.5	195.3	159.3	136.9
50°	7034.9	6252.2	3944.2	666.9	384.5	221.5	195.3	211.5	186.6	143.1	120.7
52.5°	8266.7	7278.7	4078.6	721.7	429.3	237.6	180.4	205.3	180.4	131.9	109.5
55°	9444.9	7871.0	3838.4	761.5	471.6	286.2	169.2	195.3	172.9	125.7	105.8
57.5°	10715.3	8134.8	3022.2	842.3	501.4	327.2	171.7	180.4	163.0	121.9	104.5
60°	11094.8	7797.6	1824.0	948.1	485.2	339.7	190.4	160.5	149.3	114.5	100.8
62.5°	10505.0	6997.5	1076.3	863.5	471.6	321.0	217.7	148.1	135.6	104.5	93.3
65°	9622.9	5911.3	701.7	729.1	500.2	286.2	231.4	141.8	123.2	94.6	82.1
67.5°	8615.0	4761.7	491.5	430.5	461.6	257.6	195.3	140.6	110.7	79.6	67.2
70°	7256.3	3566.0	345.9	284.9	384.5	228.9	151.8	136.9	97.0	64.7	52.3
72.5°	5606.5	2232.1	257.6	184.1	273.7	186.6	120.7	115.7	78.4	53.5	39.8
75°	4134.6	1272.8	181.7	133.1	180.4	141.8	89.6	82.1	67.2	51.0	36.1
77.5°	2158.7	637.0	113.2	102.0	103.3	88.3	64.7	59.7	62.2	51.0	33.6
80°	414.3	126.9	68.4	74.7	56.0	56.0	47.3	49.8	54.7	41.1	28.6
82.5°	172.9	27.4	37.3	42.3	34.8	38.6	38.6	39.8	38.6	29.9	21.2
85°	0.0	0.0	16.2	17.4	23.6	23.6	19.9	19.9	19.9	17.4	12.4
87.5°	0.0	0.0	0.0	0.0	1.2	3.7	7.5	8.7	10.0	7.5	5.0
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°	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9
2.5°	520.1	517.6	521.3	523.8	526.3	526.3	523.8	521.3	517.6	521.3	517.6
5°	480.3	484.0	490.2	492.7	495.2	490.2	487.7	480.3	474.1	475.3	472.8
7.5°	449.2	452.9	460.4	465.3	465.3	462.9	455.4	447.9	438.0	438.0	436.7
10°	420.5	425.5	434.2	440.5	442.9	440.5	433.0	423.0	414.3	414.3	410.6
12.5°	396.9	403.1	413.1	421.8	424.3	421.8	414.3	404.4	394.4	394.4	391.9
15°	377.0	384.5	395.7	405.6	409.4	405.6	396.9	384.5	374.5	375.8	372.0
17.5°	358.3	364.6	379.5	390.7	394.4	390.7	379.5	363.3	353.4	355.8	353.4
20°	337.2	344.7	359.6	372.0	375.8	372.0	359.6	342.2	332.2	332.2	333.5
22.5°	314.8	322.3	337.2	345.9	350.9	347.1	334.7	318.5	308.6	308.6	309.8
25°	294.9	298.6	309.8	318.5	319.8	316.0	306.1	293.6	286.2	289.9	291.1
27.5°	276.2	276.2	281.2	286.2	284.9	281.2	277.5	267.5	266.3	270.0	273.7
30°	256.3	250.1	247.6	243.9	242.6	241.4	245.1	245.1	247.6	252.6	256.3
32.5°	238.9	226.4	215.3	204.1	197.8	202.8	212.8	221.5	230.2	237.6	241.4
35°	219.0	199.1	180.4	165.5	155.5	163.0	179.2	195.3	210.3	220.2	226.4
37.5°	199.1	170.5	148.1	129.4	121.9	128.2	145.6	168.0	190.4	202.8	211.5
40°	177.9	141.8	115.7	100.8	93.3	99.5	117.0	139.4	169.2	185.4	196.6
42.5°	156.8	117.0	93.3	78.4	74.7	78.4	92.1	114.5	146.8	166.7	181.7
45°	135.6	97.0	74.7	63.5	59.7	63.5	74.7	93.3	125.7	148.1	165.5
47.5°	117.0	82.1	62.2	52.3	49.8	53.5	62.2	78.4	105.8	128.2	148.1
50°	102.0	72.2	53.5	44.8	42.3	46.0	53.5	65.9	89.6	109.5	130.6
52.5°	92.1	67.2	47.3	38.6	37.3	39.8	46.0	56.0	75.9	93.3	113.2
55°	89.6	67.2	43.5	34.8	33.6	36.1	41.1	48.5	65.9	80.9	98.3
57.5°	92.1	72.2	41.1	29.9	28.6	31.1	36.1	42.3	57.2	69.7	85.9
60°	92.1	73.4	36.1	23.6	22.4	24.9	29.9	37.3	51.0	61.0	74.7
62.5°	83.4	67.2	29.9	18.7	16.2	18.7	24.9	31.1	44.8	54.7	65.9
65°	72.2	57.2	24.9	13.7	11.2	13.7	19.9	26.1	38.6	47.3	59.7
67.5°	58.5	43.5	18.7	10.0	7.5	10.0	14.9	21.2	32.3	41.1	53.5
70°	43.5	31.1	14.9	8.7	7.5	8.7	13.7	19.9	28.6	37.3	49.8
72.5°	32.3	21.2	12.4	8.7	6.2	8.7	12.4	18.7	27.4	36.1	47.3
75°	27.4	17.4	11.2	7.5	6.2	7.5	11.2	17.4	24.9	33.6	44.8
77.5°	26.1	16.2	10.0	6.2	5.0	6.2	10.0	14.9	22.4	31.1	43.5
80°	22.4	13.7	8.7	5.0	3.7	5.0	8.7	12.4	17.4	23.6	33.6
82.5°	17.4	11.2	6.2	2.5	1.2	2.5	6.2	7.5	11.2	13.7	19.9
85°	11.2	6.2	2.5	0.0	0.0	0.0	2.5	5.0	5.0	6.2	10.0
87.5°	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7
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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 CATALOG NUMBER: GWS-SA3D-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9	559.9
2.5°	525.1	526.3	528.8	532.5	541.2	548.7	556.2	566.1	571.1	571.1
5°	475.3	476.5	477.8	482.8	495.2	505.2	521.3	541.2	551.2	553.7
7.5°	436.7	439.2	441.7	445.4	457.9	471.6	492.7	530.0	548.7	552.4
10°	414.3	418.1	423.0	430.5	441.7	456.6	492.7	559.9	591.0	597.2
12.5°	396.9	403.1	408.1	416.8	430.5	454.1	526.3	644.5	699.3	714.2
15°	379.5	387.0	394.4	403.1	418.1	462.9	591.0	796.3	887.1	898.3
17.5°	362.1	370.8	380.7	390.7	409.4	484.0	693.0	1006.6	1133.5	1158.4
20°	342.2	353.4	367.0	379.5	400.6	517.6	834.9	1256.7	1415.9	1469.4
22.5°	321.0	334.7	350.9	367.0	390.7	558.7	1006.6	1525.4	1748.1	1783.0
25°	303.6	317.3	332.2	348.4	374.5	608.4	1214.4	1858.9	2061.7	2095.3
27.5°	287.4	301.1	314.8	329.7	358.3	673.1	1464.5	2213.5	2425.0	2459.8
30°	270.0	286.2	299.9	314.8	343.4	752.8	1753.1	2606.7	2807.0	2839.3
32.5°	255.1	271.2	284.9	299.9	332.2	839.9	2056.7	2955.0	3118.0	3118.0
35°	242.6	260.0	270.0	289.9	323.5	895.8	2344.1	3287.3	3410.4	3405.5
37.5°	228.9	250.1	257.6	271.2	312.3	902.1	2614.1	3638.1	3729.0	3696.6
40°	215.3	237.6	248.8	256.3	299.9	851.1	2910.3	3960.4	4037.5	3995.2
42.5°	202.8	220.2	236.4	245.1	292.4	761.5	3147.9	4305.0	4397.1	4359.8
45°	190.4	205.3	215.3	231.4	297.4	699.3	3352.0	4706.9	4868.7	4841.3
47.5°	177.9	190.4	196.6	221.5	331.0	670.6	3476.4	5329.0	5633.9	5611.5
50°	164.2	179.2	179.2	219.0	380.7	680.6	3584.6	6229.9	6701.4	6694.0
52.5°	150.6	166.7	164.2	237.6	419.3	726.6	3707.8	7024.9	7844.9	7913.3
55°	136.9	151.8	154.3	275.0	441.7	766.4	3231.3	7359.6	8821.6	9061.7
57.5°	121.9	130.6	160.5	303.6	434.2	882.2	2213.5	7420.6	9444.9	9960.1
60°	105.8	113.2	181.7	297.4	410.6	815.0	1393.5	6873.1	9356.6	10009.8
62.5°	92.1	104.5	191.6	262.5	418.1	706.7	888.4	5857.8	8514.3	9259.6
65°	80.9	100.8	174.2	237.6	423.0	479.0	599.7	4765.4	7691.8	8401.0
67.5°	72.2	112.0	143.1	211.5	363.3	337.2	411.8	3702.8	6467.5	7103.3
70°	65.9	114.5	117.0	181.7	281.2	216.5	271.2	2492.2	4458.1	5184.7
72.5°	59.7	84.6	88.3	145.6	181.7	131.9	175.4	1425.9	3249.9	3745.1
75°	57.2	57.2	61.0	94.6	100.8	95.8	113.2	851.1	2330.4	2692.5
77.5°	53.5	43.5	38.6	61.0	54.7	68.4	67.2	378.2	1010.3	1092.4
80°	42.3	31.1	26.1	38.6	37.3	46.0	39.8	31.1	46.0	44.8
82.5°	26.1	19.9	18.7	23.6	21.2	23.6	18.7	5.0	5.0	5.0
85°	12.4	11.2	10.0	10.0	11.2	10.0	7.5	2.5	1.2	1.2
87.5°	6.2	6.2	5.0	3.7	5.0	5.0	3.7	1.2	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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