

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: P635350

Luminaire Tested: GWS-SA3D-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635350
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11171.6 lumens
Efficiency: N/A
Efficacy: 92.5 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

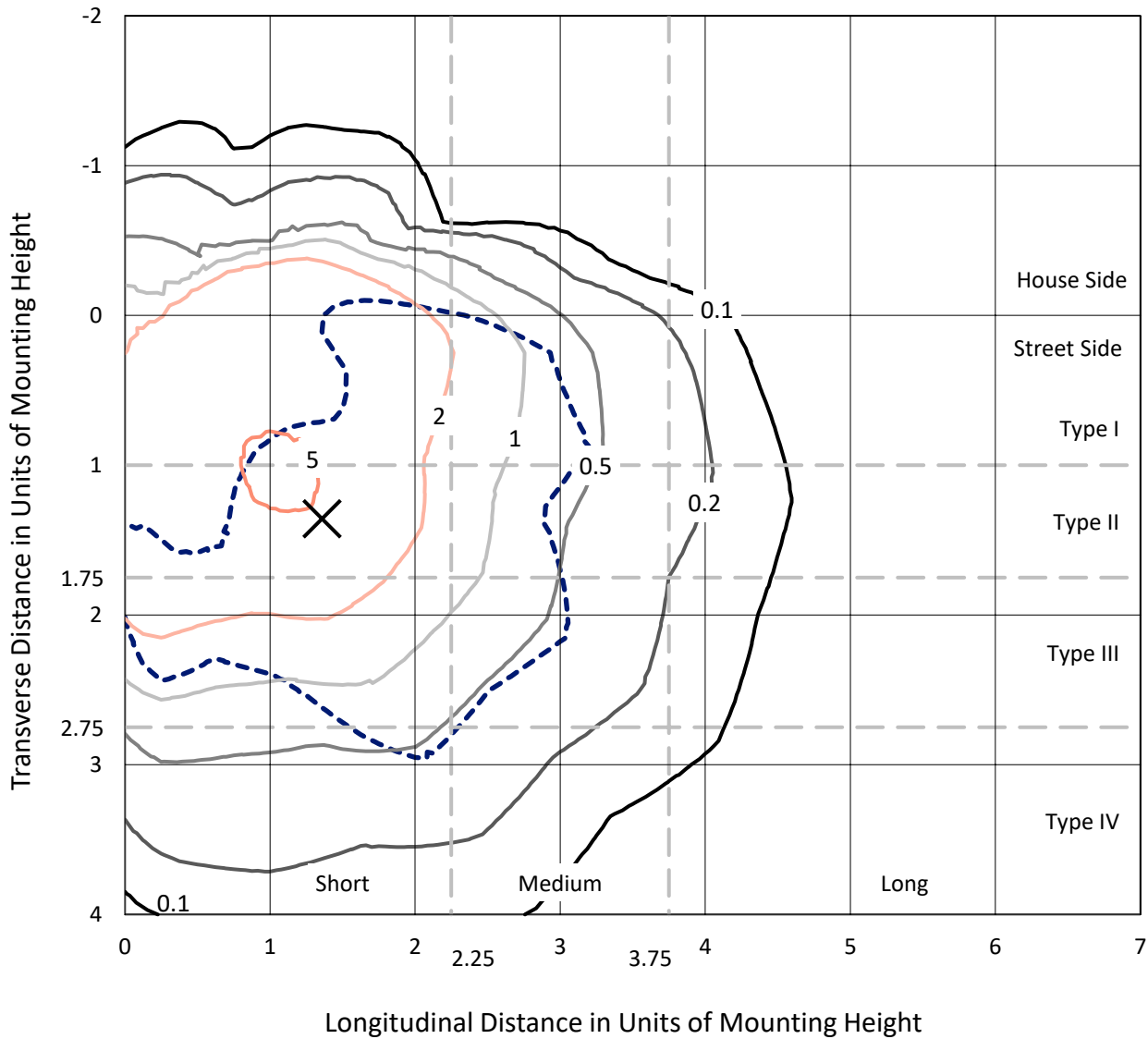
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

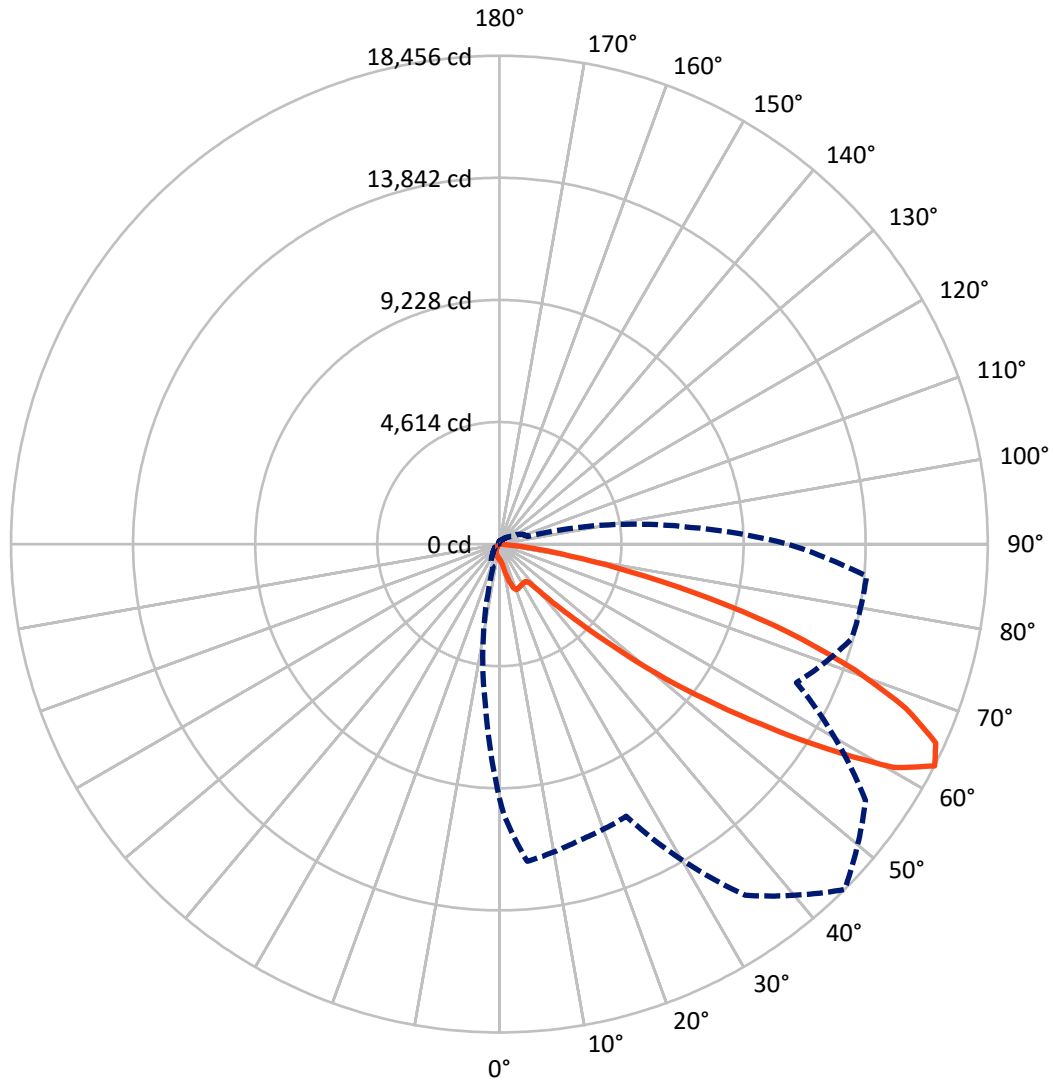
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	1378.6	0.0	1378.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	9793.0	0.0	9793.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	11171.6	0.0	11171.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.5
10°-20°	194.8	1.7
20°-30°	423.4	3.8
30°-40°	694.9	6.2
40°-50°	1277.5	11.4
50°-60°	2743.6	24.6
60°-70°	3685.1	33.0
70°-80°	1918.8	17.2
80°-90°	181.9	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°	11171.6	100.0
0°-180°	11171.6	100.0

Coefficient of Utilization

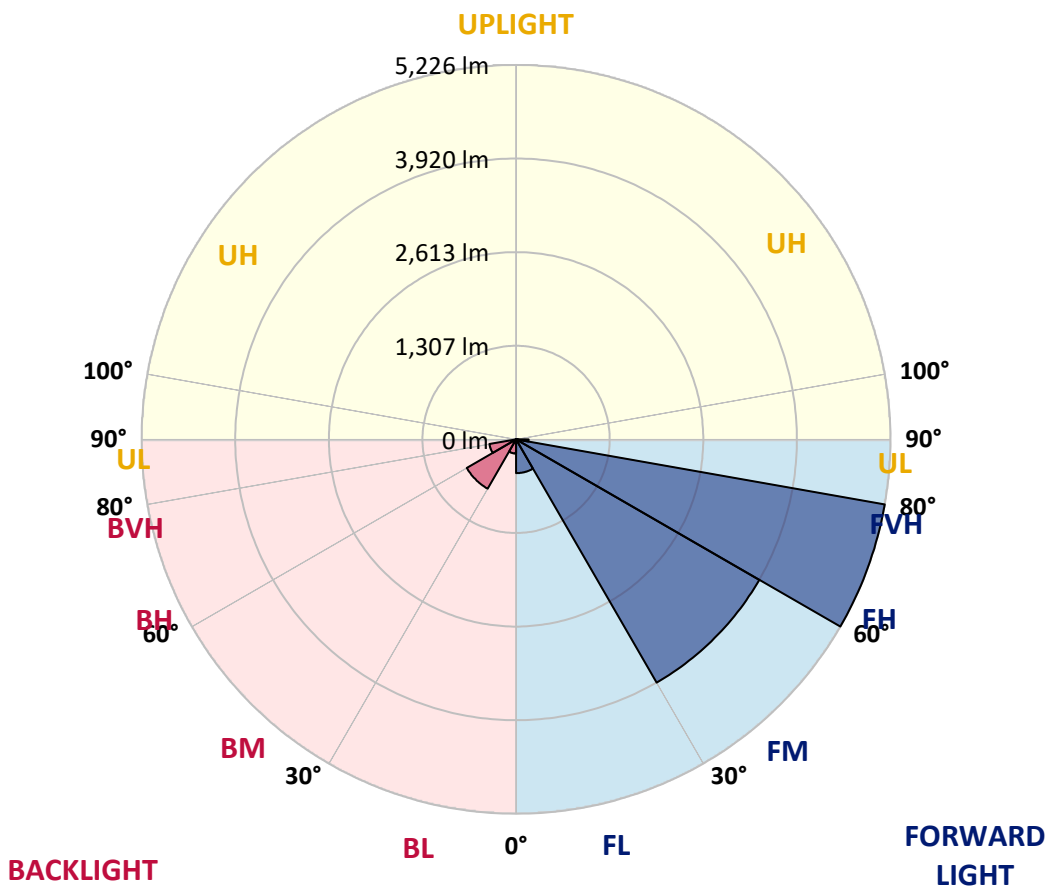


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.9	4.2			
FM (30°-60°)	3921.1	35.1			
FH (60°-80°)	5226.2	46.8			G3/7500
FVH (80°-90°)	173.8	1.6			G2/225
BL (0°-30°)	197.7	1.8	B1/500		
BM (30°-60°)	795.0	7.1	B1/1000		
BH (60°-80°)	377.7	3.4	B1/500		G1/500
BVH (80°-90°)	8.1	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°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	592.3	594.9	597.5	606.5	612.9	618.1	619.4	615.5	606.5	597.5	584.6
5°	574.2	576.8	585.9	610.4	634.9	654.2	660.7	656.8	634.9	606.5	576.8
7.5°	572.9	578.1	600.0	651.7	704.6	744.6	754.9	745.9	704.6	647.8	587.1
10°	619.4	628.4	660.7	753.6	850.4	921.4	949.7	911.0	845.2	742.0	642.6
12.5°	740.7	756.2	818.1	953.6	1103.3	1197.5	1236.2	1188.5	1085.2	935.6	778.1
15°	931.7	954.9	1047.8	1250.4	1427.2	1511.1	1524.0	1496.9	1376.9	1211.7	1000.1
17.5°	1201.4	1234.9	1379.5	1585.9	1713.7	1743.4	1739.5	1711.1	1623.3	1509.8	1309.8
20°	1524.0	1564.0	1705.9	1876.3	1889.2	1854.3	1835.0	1818.2	1788.5	1769.2	1613.0
22.5°	1849.2	1898.2	2046.6	2089.2	1973.1	1872.4	1824.7	1837.6	1881.4	1976.9	1913.7
25°	2173.1	2219.5	2358.9	2244.0	2011.8	1844.0	1783.4	1814.3	1918.9	2125.3	2206.6
27.5°	2551.2	2586.0	2668.6	2349.9	2018.2	1820.8	1761.4	1809.2	1936.9	2218.2	2527.9
30°	2944.7	2965.4	2925.4	2378.2	1996.3	1785.9	1739.5	1809.2	1967.9	2280.2	2769.2
32.5°	3233.8	3237.7	3107.3	2380.8	1984.7	1757.6	1718.8	1801.4	1997.6	2331.8	3002.8
35°	3531.9	3512.5	3281.5	2419.5	2015.6	1767.9	1734.3	1823.4	2044.0	2392.4	3208.0
37.5°	3833.8	3799.0	3476.4	2482.8	2095.6	1880.1	1859.5	1935.6	2118.9	2476.3	3433.8
40°	4143.5	4095.8	3679.0	2578.3	2273.7	2262.1	2333.1	2324.0	2324.0	2583.4	3666.1
42.5°	4521.6	4466.1	3978.4	2848.0	2689.2	2948.6	3142.2	3022.2	2800.2	2829.9	3968.0
45°	5021.0	4973.3	4497.1	3364.1	3340.9	3937.1	4197.7	3960.3	3408.0	3399.0	4472.6
47.5°	5819.8	5810.8	5324.3	3962.9	4138.4	5195.2	5698.5	5241.7	4101.0	4001.6	5427.5
50°	6942.5	6915.4	6355.3	4664.9	5086.8	6754.1	7652.2	6890.8	4938.4	4704.9	6706.3
52.5°	8207.1	8235.5	7799.3	5431.4	6094.7	8488.4	9738.8	8780.0	5848.2	5599.1	8315.5
55°	9398.1	9560.7	9445.9	6328.2	7079.2	10403.4	12030.6	10852.4	6974.7	6769.5	10119.5
57.5°	10329.8	10787.9	11593.1	7631.5	8236.8	12643.5	14589.5	13099.1	8289.7	8670.3	12575.2
60°	10381.4	10987.9	12857.8	10358.2	9725.9	14565.0	17144.5	15294.1	10356.9	11897.7	14499.2
62.5°	9603.3	10253.7	12034.5	11597.0	11348.0	16199.9	18455.6	16894.2	12390.6	13788.1	13928.8
65°	8712.9	9369.7	11115.7	10191.7	11159.6	16130.3	18122.7	16931.6	12575.2	12502.9	12908.1
67.5°	7367.0	7956.7	9537.5	9021.3	10285.9	15352.1	16584.5	15864.4	11585.4	11693.8	11874.5
70°	5377.2	5945.0	7412.2	7438.0	8982.6	13949.4	14250.1	14150.8	10669.2	10784.0	10267.9
72.5°	3884.2	4362.9	5628.8	6099.8	7170.9	11697.7	11489.9	11873.2	9154.2	9604.6	8247.1
75°	2792.5	3151.2	4129.3	5306.2	5684.3	8687.1	8225.1	9195.5	7345.1	8270.3	6200.5
77.5°	1133.0	1259.5	1624.6	3574.5	3735.8	5844.3	5035.2	6679.2	5236.5	5434.0	3005.4
80°	46.5	51.6	67.1	1845.3	2561.5	3288.0	2694.4	3570.6	3458.3	2188.6	709.7
82.5°	5.2	5.2	11.6	531.7	1121.4	1814.3	1269.8	2056.9	1751.1	927.8	322.6
85°	1.3	1.3	2.6	60.6	263.2	290.3	171.6	631.0	814.3	379.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	11.6	12.9	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°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	584.6	578.1	570.4	562.6	558.8	548.4	544.6	542.0	539.4	540.7	540.7
5°	565.2	551.0	534.2	517.5	508.4	498.1	492.9	490.4	491.7	496.8	496.8
7.5°	562.6	535.5	499.4	477.5	467.1	459.4	454.2	451.6	452.9	459.4	462.0
10°	605.2	557.5	492.9	455.5	443.9	436.2	431.0	427.1	424.5	429.7	431.0
12.5°	696.8	631.0	523.9	452.9	432.3	422.0	418.1	410.4	406.5	409.1	410.4
15°	886.5	773.0	585.9	463.3	422.0	410.4	403.9	397.4	391.0	389.7	391.0
17.5°	1134.3	971.7	680.1	487.8	414.2	400.0	391.0	382.0	372.9	371.6	370.4
20°	1441.4	1215.6	811.7	526.5	407.8	391.0	378.1	365.2	353.6	349.7	349.7
22.5°	1721.4	1509.8	980.7	574.2	398.7	378.1	362.6	347.1	334.2	327.8	326.5
25°	2063.4	1822.1	1183.3	629.7	385.8	361.3	344.5	329.1	316.2	308.4	305.8
27.5°	2407.9	2151.1	1413.0	702.0	370.4	344.5	329.1	314.9	300.7	291.6	289.1
30°	2742.1	2506.0	1671.1	792.3	358.7	327.8	314.9	300.7	287.8	273.6	269.7
32.5°	3100.9	2868.6	1960.1	893.0	349.7	316.2	302.0	289.1	272.3	259.4	252.9
35°	3446.7	3242.8	2278.9	991.0	340.7	305.8	290.3	277.4	259.4	245.2	236.1
37.5°	3795.1	3623.5	2611.8	1050.4	327.8	291.6	277.4	267.1	246.5	229.7	219.4
40°	4164.2	4017.1	2971.8	1025.9	316.2	276.2	268.4	256.8	233.6	214.2	201.3
42.5°	4569.4	4392.6	3338.3	931.7	305.8	263.2	255.5	243.9	222.0	198.7	181.9
45°	5079.1	4804.2	3639.0	789.7	311.0	250.3	234.9	232.3	211.6	181.9	161.3
47.5°	5955.3	5436.5	3872.6	698.1	345.8	236.1	218.1	224.5	202.6	165.2	141.9
50°	7296.0	6484.4	4090.6	691.7	398.7	229.7	202.6	219.4	193.6	148.4	125.2
52.5°	8573.6	7549.0	4230.0	748.4	445.2	246.5	187.1	212.9	187.1	136.8	113.6
55°	9795.6	8163.2	3980.9	789.7	489.1	296.8	175.5	202.6	179.4	130.3	109.7
57.5°	11113.1	8436.8	3134.4	873.6	520.0	339.4	178.1	187.1	169.0	126.5	108.4
60°	11506.7	8087.1	1891.8	983.3	503.3	352.3	197.4	166.5	154.9	118.7	104.5
62.5°	10895.0	7257.3	1116.2	895.6	489.1	332.9	225.8	153.6	140.7	108.4	96.8
65°	9980.1	6130.8	727.8	756.2	518.7	296.8	240.0	147.1	127.8	98.1	85.2
67.5°	8934.9	4938.4	509.7	446.5	478.7	267.1	202.6	145.8	114.8	82.6	69.7
70°	7525.7	3698.3	358.7	295.5	398.7	237.4	157.4	141.9	100.7	67.1	54.2
72.5°	5814.6	2315.0	267.1	191.0	283.9	193.6	125.2	120.0	81.3	55.5	41.3
75°	4288.1	1320.1	188.4	138.1	187.1	147.1	92.9	85.2	69.7	52.9	37.4
77.5°	2238.9	660.7	117.4	105.8	107.1	91.6	67.1	61.9	64.5	52.9	34.8
80°	429.7	131.6	71.0	77.4	58.1	58.1	49.0	51.6	56.8	42.6	29.7
82.5°	179.4	28.4	38.7	43.9	36.1	40.0	40.0	41.3	40.0	31.0	21.9
85°	0.0	0.0	16.8	18.1	24.5	24.5	20.6	20.6	20.6	18.1	12.9
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	7.7	9.0	10.3	7.7	5.2
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°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	539.4	536.8	540.7	543.3	545.8	545.8	543.3	540.7	536.8	540.7	536.8
5°	498.1	502.0	508.4	511.0	513.6	508.4	505.8	498.1	491.7	492.9	490.4
7.5°	465.8	469.7	477.5	482.6	482.6	480.0	472.3	464.6	454.2	454.2	452.9
10°	436.2	441.3	450.4	456.8	459.4	456.8	449.1	438.7	429.7	429.7	425.8
12.5°	411.6	418.1	428.4	437.5	440.0	437.5	429.7	419.4	409.1	409.1	406.5
15°	391.0	398.7	410.4	420.7	424.5	420.7	411.6	398.7	388.4	389.7	385.8
17.5°	371.6	378.1	393.6	405.2	409.1	405.2	393.6	376.8	366.5	369.1	366.5
20°	349.7	357.4	372.9	385.8	389.7	385.8	372.9	354.9	344.5	344.5	345.8
22.5°	326.5	334.2	349.7	358.7	363.9	360.0	347.1	330.3	320.0	320.0	321.3
25°	305.8	309.7	321.3	330.3	331.6	327.8	317.4	304.5	296.8	300.7	302.0
27.5°	286.5	286.5	291.6	296.8	295.5	291.6	287.8	277.4	276.2	280.0	283.9
30°	265.8	259.4	256.8	252.9	251.6	250.3	254.2	254.2	256.8	262.0	265.8
32.5°	247.8	234.9	223.2	211.6	205.2	210.3	220.7	229.7	238.7	246.5	250.3
35°	227.1	206.5	187.1	171.6	161.3	169.0	185.8	202.6	218.1	228.4	234.9
37.5°	206.5	176.8	153.6	134.2	126.5	132.9	151.0	174.2	197.4	210.3	219.4
40°	184.5	147.1	120.0	104.5	96.8	103.2	121.3	144.5	175.5	192.3	203.9
42.5°	162.6	121.3	96.8	81.3	77.4	81.3	95.5	118.7	152.3	172.9	188.4
45°	140.7	100.7	77.4	65.8	61.9	65.8	77.4	96.8	130.3	153.6	171.6
47.5°	121.3	85.2	64.5	54.2	51.6	55.5	64.5	81.3	109.7	132.9	153.6
50°	105.8	74.8	55.5	46.5	43.9	47.7	55.5	68.4	92.9	113.6	135.5
52.5°	95.5	69.7	49.0	40.0	38.7	41.3	47.7	58.1	78.7	96.8	117.4
55°	92.9	69.7	45.2	36.1	34.8	37.4	42.6	50.3	68.4	83.9	101.9
57.5°	95.5	74.8	42.6	31.0	29.7	32.3	37.4	43.9	59.4	72.3	89.0
60°	95.5	76.1	37.4	24.5	23.2	25.8	31.0	38.7	52.9	63.2	77.4
62.5°	86.5	69.7	31.0	19.4	16.8	19.4	25.8	32.3	46.5	56.8	68.4
65°	74.8	59.4	25.8	14.2	11.6	14.2	20.6	27.1	40.0	49.0	61.9
67.5°	60.6	45.2	19.4	10.3	7.7	10.3	15.5	21.9	33.6	42.6	55.5
70°	45.2	32.3	15.5	9.0	7.7	9.0	14.2	20.6	29.7	38.7	51.6
72.5°	33.6	21.9	12.9	9.0	6.5	9.0	12.9	19.4	28.4	37.4	49.0
75°	28.4	18.1	11.6	7.7	6.5	7.7	11.6	18.1	25.8	34.8	46.5
77.5°	27.1	16.8	10.3	6.5	5.2	6.5	10.3	15.5	23.2	32.3	45.2
80°	23.2	14.2	9.0	5.2	3.9	5.2	9.0	12.9	18.1	24.5	34.8
82.5°	18.1	11.6	6.5	2.6	1.3	2.6	6.5	7.7	11.6	14.2	20.6
85°	11.6	6.5	2.6	0.0	0.0	0.0	2.6	5.2	5.2	6.5	10.3
87.5°	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	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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 CATALOG NUMBER: GWS-SA3D-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	544.6	545.8	548.4	552.3	561.3	569.1	576.8	587.1	592.3	592.3
5°	492.9	494.2	495.5	500.7	513.6	523.9	540.7	561.3	571.7	574.2
7.5°	452.9	455.5	458.1	462.0	474.9	489.1	511.0	549.7	569.1	572.9
10°	429.7	433.6	438.7	446.5	458.1	473.6	511.0	580.7	612.9	619.4
12.5°	411.6	418.1	423.3	432.3	446.5	471.0	545.8	668.4	725.2	740.7
15°	393.6	401.3	409.1	418.1	433.6	480.0	612.9	825.9	920.1	931.7
17.5°	375.5	384.5	394.9	405.2	424.5	502.0	718.8	1044.0	1175.6	1201.4
20°	354.9	366.5	380.7	393.6	415.5	536.8	865.9	1303.3	1468.5	1524.0
22.5°	332.9	347.1	363.9	380.7	405.2	579.4	1044.0	1582.1	1813.0	1849.2
25°	314.9	329.1	344.5	361.3	388.4	631.0	1259.5	1927.9	2138.2	2173.1
27.5°	298.1	312.3	326.5	342.0	371.6	698.1	1518.8	2295.7	2515.0	2551.2
30°	280.0	296.8	311.0	326.5	356.2	780.7	1818.2	2703.4	2911.2	2944.7
32.5°	264.5	281.3	295.5	311.0	344.5	871.0	2133.1	3064.7	3233.8	3233.8
35°	251.6	269.7	280.0	300.7	335.5	929.1	2431.2	3409.3	3537.0	3531.9
37.5°	237.4	259.4	267.1	281.3	323.9	935.6	2711.2	3773.2	3867.4	3833.8
40°	223.2	246.5	258.1	265.8	311.0	882.6	3018.3	4107.4	4187.4	4143.5
42.5°	210.3	228.4	245.2	254.2	303.2	789.7	3264.8	4464.9	4560.3	4521.6
45°	197.4	212.9	223.2	240.0	308.4	725.2	3476.4	4881.7	5049.4	5021.0
47.5°	184.5	197.4	203.9	229.7	343.3	695.5	3605.4	5526.9	5843.0	5819.8
50°	170.3	185.8	185.8	227.1	394.9	705.9	3717.7	6461.1	6950.2	6942.5
52.5°	156.1	172.9	170.3	246.5	434.9	753.6	3845.5	7285.7	8136.1	8207.1
55°	141.9	157.4	160.0	285.2	458.1	794.9	3351.2	7632.8	9149.1	9398.1
57.5°	126.5	135.5	166.5	314.9	450.4	914.9	2295.7	7696.1	9795.6	10329.8
60°	109.7	117.4	188.4	308.4	425.8	845.2	1445.3	7128.3	9704.0	10381.4
62.5°	95.5	108.4	198.7	272.3	433.6	733.0	921.4	6075.3	8830.3	9603.3
65°	83.9	104.5	180.7	246.5	438.7	496.8	622.0	4942.3	7977.4	8712.9
67.5°	74.8	116.1	148.4	219.4	376.8	349.7	427.1	3840.3	6707.6	7367.0
70°	68.4	118.7	121.3	188.4	291.6	224.5	281.3	2584.7	4623.6	5377.2
72.5°	61.9	87.7	91.6	151.0	188.4	136.8	181.9	1478.8	3370.6	3884.2
75°	59.4	59.4	63.2	98.1	104.5	99.4	117.4	882.6	2417.0	2792.5
77.5°	55.5	45.2	40.0	63.2	56.8	71.0	69.7	392.3	1047.8	1133.0
80°	43.9	32.3	27.1	40.0	38.7	47.7	41.3	32.3	47.7	46.5
82.5°	27.1	20.6	19.4	24.5	21.9	24.5	19.4	5.2	5.2	5.2
85°	12.9	11.6	10.3	10.3	11.6	10.3	7.7	2.6	1.3	1.3
87.5°	6.5	6.5	5.2	3.9	5.2	5.2	3.9	1.3	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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