

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: P642830

Luminaire Tested: GWS-SA6D-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642830
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-SA6D-760-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22428.5 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

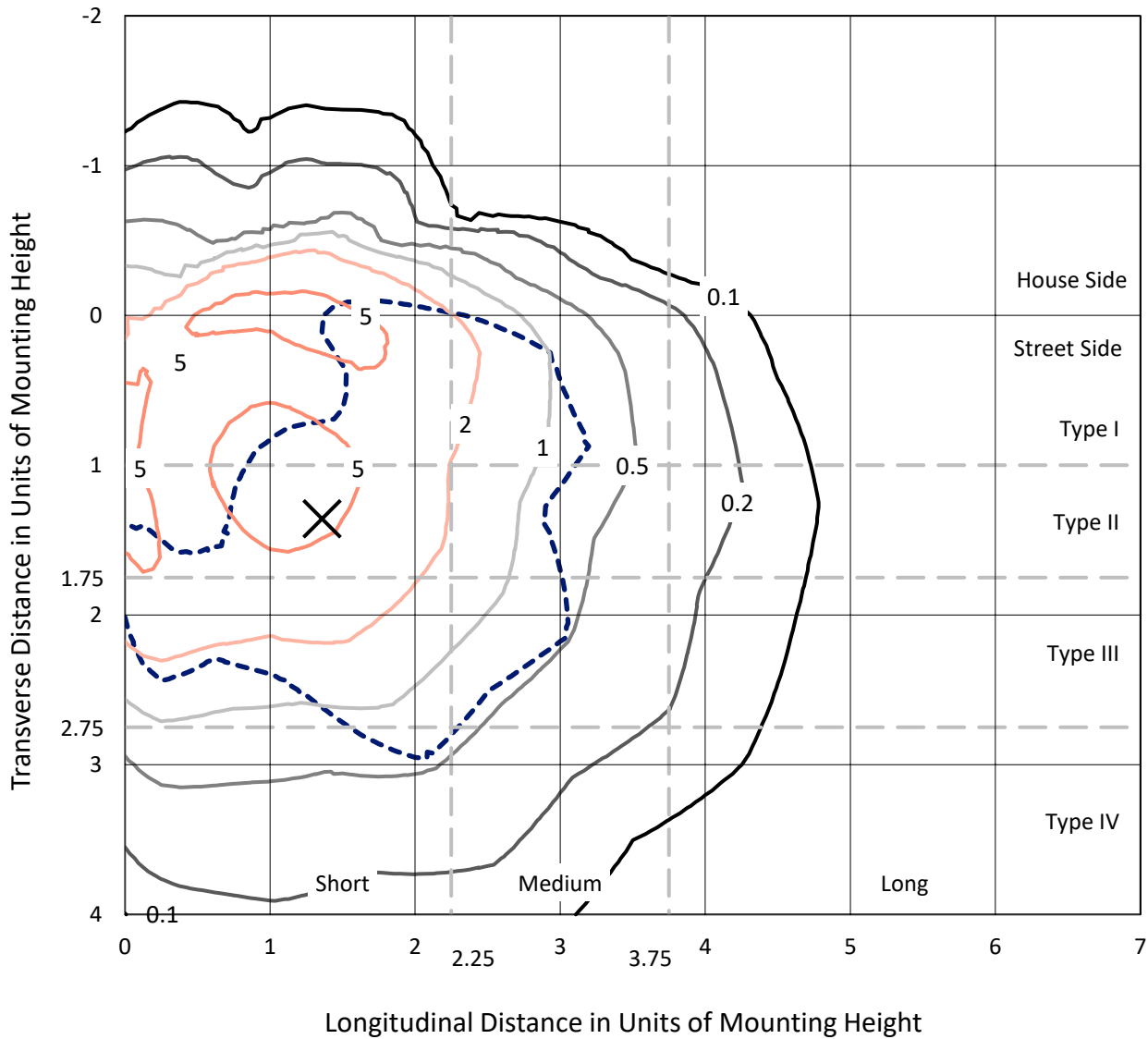
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

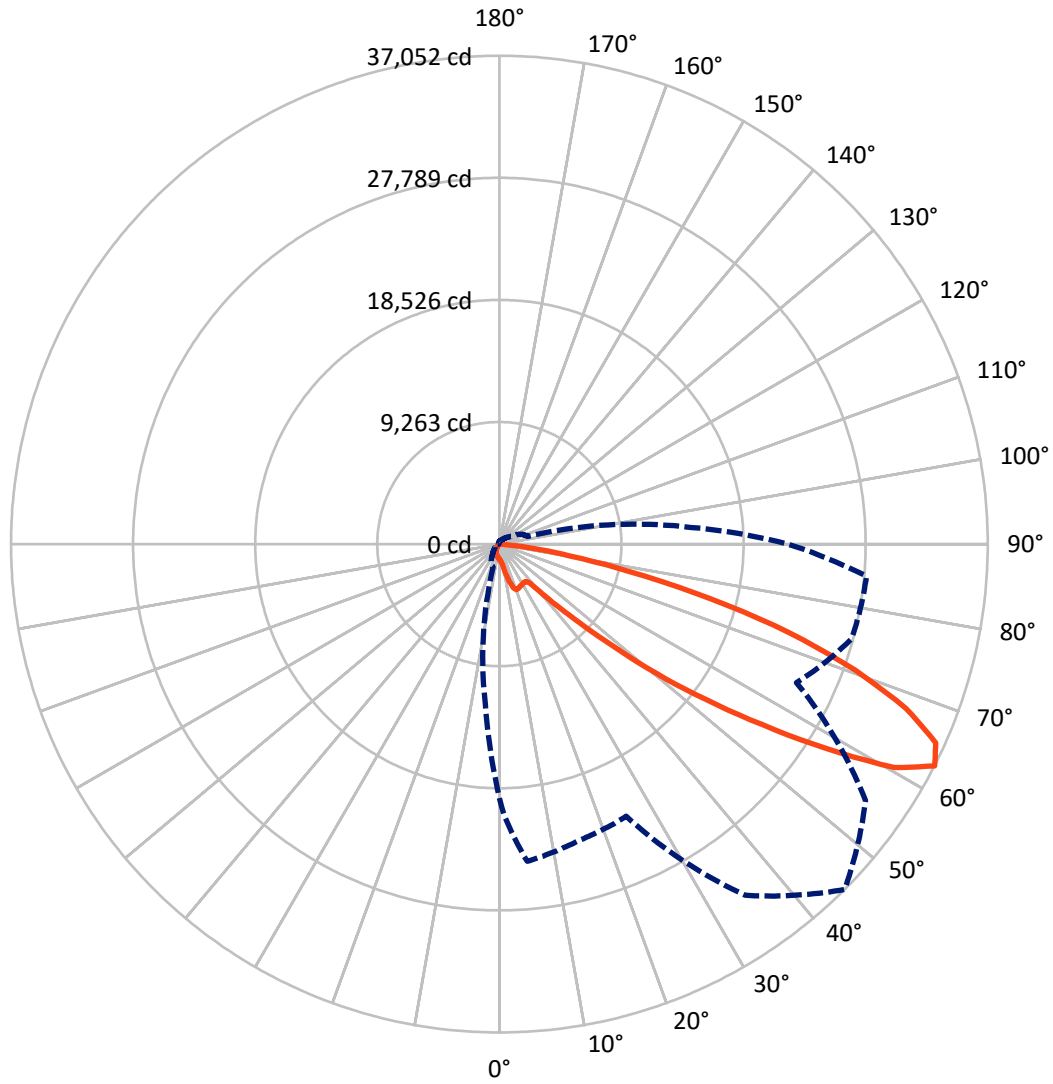
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	2767.6	0.0	2767.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	19660.9	0.0	19660.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	22428.5	0.0	22428.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	0.5
10°-20°	391.0	1.7
20°-30°	850.0	3.8
30°-40°	1395.2	6.2
40°-50°	2564.8	11.4
50°-60°	5508.1	24.6
60°-70°	7398.3	33.0
70°-80°	3852.3	17.2
80°-90°	365.3	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°	22428.5	100.0
0°-180°	22428.5	100.0

Coefficient of Utilization



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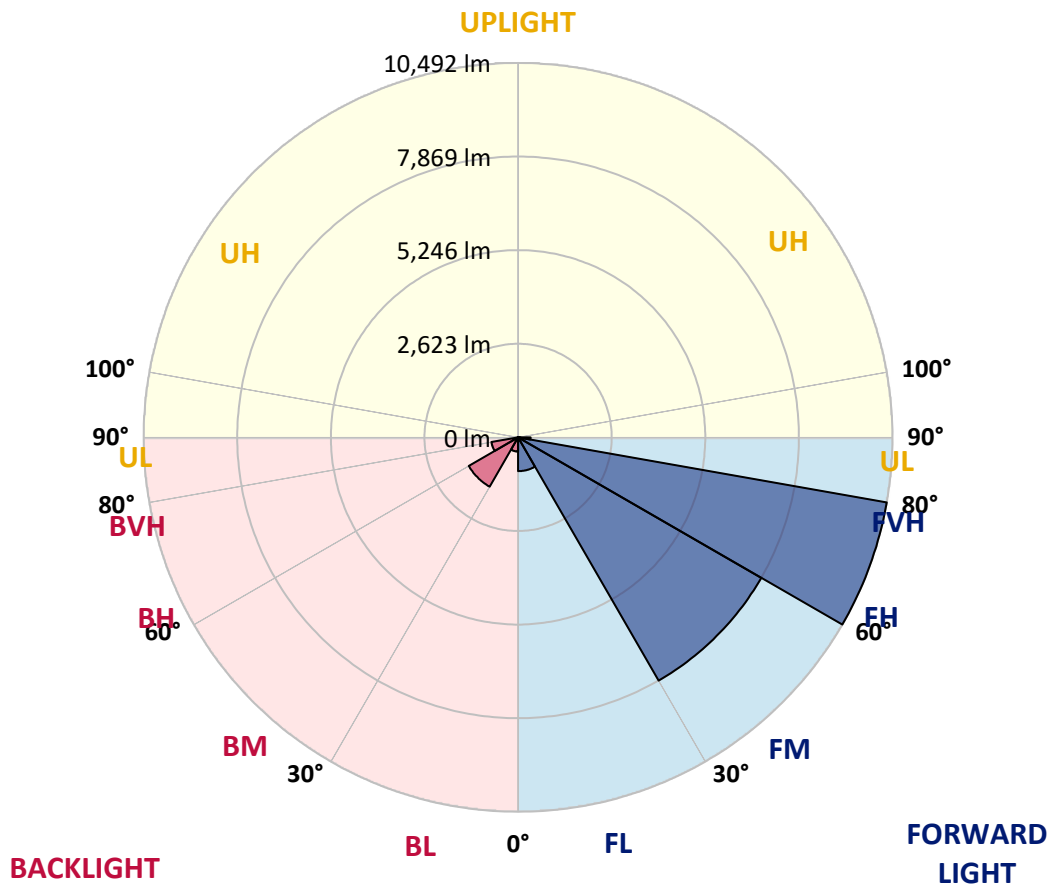
CATALOG NUMBER: GWS-SA6D-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.5	4.2			
FM (30°-60°)	7872.1	35.1			
FH (60°-80°)	10492.2	46.8			G4/12000
FVH (80°-90°)	349.0	1.6			G3/500
BL (0°-30°)	397.0	1.8	B1/500		
BM (30°-60°)	1596.0	7.1	B2/2500		
BH (60°-80°)	758.4	3.4	B2/1000		G2/1000
BVH (80°-90°)	16.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1189.1	1194.3	1199.5	1217.6	1230.6	1240.9	1243.5	1235.8	1217.6	1199.5	1173.6
5°	1152.9	1158.0	1176.2	1225.4	1274.6	1313.5	1326.4	1318.7	1274.6	1217.6	1158.0
7.5°	1150.3	1160.6	1204.7	1308.3	1414.5	1494.8	1515.6	1497.4	1414.5	1300.5	1178.8
10°	1243.5	1261.7	1326.4	1513.0	1707.3	1849.8	1906.8	1829.0	1696.9	1489.6	1290.2
12.5°	1487.1	1518.1	1642.5	1914.5	2215.0	2404.2	2481.9	2386.0	2178.8	1878.3	1562.2
15°	1870.5	1917.1	2103.6	2510.4	2865.3	3033.7	3059.6	3005.2	2764.3	2432.7	2007.8
17.5°	2411.9	2479.3	2769.5	3184.0	3440.4	3500.0	3492.3	3435.3	3259.1	3031.1	2629.6
20°	3059.6	3139.9	3424.9	3766.9	3792.8	3722.8	3684.0	3650.3	3590.7	3551.8	3238.4
22.5°	3712.5	3810.9	4108.8	4194.3	3961.2	3759.1	3663.2	3689.1	3777.2	3968.9	3842.0
25°	4362.7	4456.0	4735.8	4505.2	4038.9	3702.1	3580.3	3642.5	3852.4	4266.9	4430.1
27.5°	5121.8	5191.8	5357.6	4717.7	4051.8	3655.5	3536.3	3632.2	3888.6	4453.4	5075.2
30°	5912.0	5953.4	5873.1	4774.7	4007.8	3585.5	3492.3	3632.2	3950.8	4577.8	5559.6
32.5°	6492.3	6500.1	6238.4	4779.8	3984.5	3528.5	3450.8	3616.6	4010.4	4681.4	6028.5
35°	7090.7	7051.9	6588.1	4857.6	4046.7	3549.3	3481.9	3660.7	4103.7	4803.1	6440.5
37.5°	7697.0	7627.0	6979.3	4984.5	4207.3	3774.6	3733.2	3886.0	4253.9	4971.5	6893.8
40°	8318.7	8222.9	7386.1	5176.2	4564.8	4541.5	4684.0	4665.8	4665.8	5186.6	7360.2
42.5°	9077.8	8966.4	7987.1	5717.7	5399.0	5919.7	6308.3	6067.4	5621.8	5681.4	7966.4
45°	10080.4	9984.5	9028.6	6753.9	6707.3	7904.2	8427.5	7950.8	6842.0	6823.9	8979.3
47.5°	11684.0	11665.9	10689.2	7956.0	8308.4	10430.1	11440.5	10523.4	8233.2	8033.7	10896.5
50°	13937.9	13883.5	12759.2	9365.4	10212.5	13559.7	15362.8	13834.3	9914.6	9445.7	13463.8
52.5°	16476.8	16533.8	15658.2	10904.2	12235.9	17041.6	19552.0	17627.1	11741.0	11241.0	16694.4
55°	18868.0	19194.5	18963.9	12704.8	14212.6	20886.2	24153.0	21787.7	14002.7	13590.8	20316.2
57.5°	20738.5	21658.2	23274.8	15321.4	16536.4	25383.6	29290.4	26298.1	16642.6	17406.9	25246.3
60°	20842.1	22059.8	25813.7	20795.5	19526.1	29241.2	34420.0	30704.9	20792.9	23886.2	29109.0
62.5°	19279.9	20585.7	24160.8	23282.6	22782.6	32523.6	37052.1	33917.4	24875.8	27681.6	27964.0
65°	17492.4	18811.0	22316.2	20461.3	22404.3	32383.7	36383.7	33992.5	25246.3	25101.2	25914.7
67.5°	14790.3	15974.2	19147.8	18111.5	20650.4	30821.5	33295.6	31850.0	23259.3	23476.9	23839.6
70°	10795.4	11935.3	14880.9	14932.8	18033.8	28005.4	28609.0	28409.6	21419.9	21650.4	20614.2
72.5°	7798.0	8759.1	11300.6	12246.2	14396.5	23484.6	23067.5	23837.0	18378.4	19282.5	16557.1
75°	5606.3	6326.5	8290.2	10652.9	11412.0	17440.6	16513.1	18461.3	14746.2	16603.8	12448.3
77.5°	2274.6	2528.5	3261.7	7176.2	7500.1	11733.3	10108.9	13409.4	10513.0	10909.4	6033.7
80°	93.3	103.6	134.7	3704.7	5142.5	6601.1	5409.4	7168.5	6943.1	4393.8	1424.9
82.5°	10.4	10.4	23.3	1067.4	2251.3	3642.5	2549.2	4129.6	3515.6	1862.7	647.7
85°	2.6	2.6	5.2	121.8	528.5	582.9	344.6	1266.8	1634.7	761.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	23.3	25.9	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°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1173.6	1160.6	1145.1	1129.5	1121.8	1101.0	1093.3	1088.1	1082.9	1085.5	1085.5
5°	1134.7	1106.2	1072.5	1038.9	1020.7	1000.0	989.6	984.5	987.1	997.4	997.4
7.5°	1129.5	1075.1	1002.6	958.6	937.8	922.3	911.9	906.7	909.3	922.3	927.5
10°	1215.0	1119.2	989.6	914.5	891.2	875.7	865.3	857.5	852.3	862.7	865.3
12.5°	1399.0	1266.8	1051.8	909.3	867.9	847.2	839.4	823.8	816.1	821.3	823.8
15°	1779.8	1551.8	1176.2	930.1	847.2	823.8	810.9	797.9	785.0	782.4	785.0
17.5°	2277.2	1950.8	1365.3	979.3	831.6	803.1	785.0	766.8	748.7	746.1	743.5
20°	2893.8	2440.4	1629.5	1057.0	818.7	785.0	759.1	733.2	709.9	702.1	702.1
22.5°	3456.0	3031.1	1968.9	1152.9	800.5	759.1	728.0	696.9	671.0	658.0	655.4
25°	4142.5	3658.1	2375.7	1264.3	774.6	725.4	691.7	660.6	634.7	619.2	614.0
27.5°	4834.2	4318.7	2836.8	1409.3	743.5	691.7	660.6	632.1	603.6	585.5	580.3
30°	5505.2	5031.1	3354.9	1590.7	720.2	658.0	632.1	603.6	577.7	549.2	541.5
32.5°	6225.4	5759.1	3935.3	1792.8	702.1	634.7	606.2	580.3	546.6	520.7	507.8
35°	6919.7	6510.4	4575.2	1989.7	683.9	614.0	582.9	557.0	520.7	492.2	474.1
37.5°	7619.2	7274.7	5243.6	2108.8	658.0	585.5	557.0	536.3	494.8	461.1	440.4
40°	8360.2	8064.8	5966.4	2059.6	634.7	554.4	538.9	515.5	468.9	430.1	404.1
42.5°	9173.6	8818.7	6702.1	1870.5	614.0	528.5	513.0	489.6	445.6	399.0	365.3
45°	10197.0	9645.2	7305.8	1585.5	624.4	502.6	471.5	466.3	424.9	365.3	323.8
47.5°	11956.1	10914.6	7774.7	1401.6	694.3	474.1	437.8	450.8	406.7	331.6	285.0
50°	14647.8	13018.2	8212.5	1388.6	800.5	461.1	406.7	440.4	388.6	297.9	251.3
52.5°	17212.6	15155.6	8492.3	1502.6	893.8	494.8	375.7	427.5	375.7	274.6	228.0
55°	19666.0	16388.7	7992.3	1585.5	981.9	595.9	352.3	406.7	360.1	261.7	220.2
57.5°	22311.1	16938.0	6292.8	1753.9	1044.0	681.4	357.5	375.7	339.4	253.9	217.6
60°	23101.2	16235.9	3798.0	1974.1	1010.4	707.3	396.4	334.2	310.9	238.3	209.8
62.5°	21873.2	14570.1	2241.0	1797.9	981.9	668.4	453.4	308.3	282.4	217.6	194.3
65°	20036.4	12308.4	1461.2	1518.1	1041.5	595.9	481.9	295.3	256.5	196.9	171.0
67.5°	17938.0	9914.6	1023.3	896.4	961.1	536.3	406.7	292.7	230.6	165.8	139.9
70°	15108.9	7424.9	720.2	593.3	800.5	476.7	316.1	285.0	202.1	134.7	108.8
72.5°	11673.7	4647.7	536.3	383.4	570.0	388.6	251.3	240.9	163.2	111.4	82.9
75°	8608.9	2650.3	378.2	277.2	375.7	295.3	186.5	171.0	139.9	106.2	75.1
77.5°	4494.9	1326.4	235.8	212.4	215.0	183.9	134.7	124.4	129.5	106.2	69.9
80°	862.7	264.3	142.5	155.4	116.6	116.6	98.4	103.6	114.0	85.5	59.6
82.5°	360.1	57.0	77.7	88.1	72.5	80.3	80.3	82.9	80.3	62.2	44.0
85°	0.0	0.0	33.7	36.3	49.2	49.2	41.5	41.5	41.5	36.3	25.9
87.5°	0.0	0.0	0.0	0.0	2.6	7.8	15.5	18.1	20.7	15.5	10.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1082.9	1077.7	1085.5	1090.7	1095.9	1095.9	1090.7	1085.5	1077.7	1085.5	1077.7
5°	1000.0	1007.8	1020.7	1025.9	1031.1	1020.7	1015.6	1000.0	987.1	989.6	984.5
7.5°	935.2	943.0	958.6	968.9	968.9	963.7	948.2	932.7	911.9	911.9	909.3
10°	875.7	886.0	904.2	917.1	922.3	917.1	901.6	880.8	862.7	862.7	854.9
12.5°	826.4	839.4	860.1	878.2	883.4	878.2	862.7	842.0	821.3	821.3	816.1
15°	785.0	800.5	823.8	844.6	852.3	844.6	826.4	800.5	779.8	782.4	774.6
17.5°	746.1	759.1	790.2	813.5	821.3	813.5	790.2	756.5	735.8	740.9	735.8
20°	702.1	717.6	748.7	774.6	782.4	774.6	748.7	712.4	691.7	691.7	694.3
22.5°	655.4	671.0	702.1	720.2	730.6	722.8	696.9	663.2	642.5	642.5	645.1
25°	614.0	621.8	645.1	663.2	665.8	658.0	637.3	611.4	595.9	603.6	606.2
27.5°	575.1	575.1	585.5	595.9	593.3	585.5	577.7	557.0	554.4	562.2	570.0
30°	533.7	520.7	515.5	507.8	505.2	502.6	510.4	510.4	515.5	525.9	533.7
32.5°	497.4	471.5	448.2	424.9	411.9	422.3	443.0	461.1	479.3	494.8	502.6
35°	456.0	414.5	375.7	344.6	323.8	339.4	373.1	406.7	437.8	458.6	471.5
37.5°	414.5	354.9	308.3	269.4	253.9	266.8	303.1	349.7	396.4	422.3	440.4
40°	370.5	295.3	240.9	209.8	194.3	207.3	243.5	290.2	352.3	386.0	409.3
42.5°	326.4	243.5	194.3	163.2	155.4	163.2	191.7	238.3	305.7	347.2	378.2
45°	282.4	202.1	155.4	132.1	124.4	132.1	155.4	194.3	261.7	308.3	344.6
47.5°	243.5	171.0	129.5	108.8	103.6	111.4	129.5	163.2	220.2	266.8	308.3
50°	212.4	150.3	111.4	93.3	88.1	95.9	111.4	137.3	186.5	228.0	272.0
52.5°	191.7	139.9	98.4	80.3	77.7	82.9	95.9	116.6	158.0	194.3	235.8
55°	186.5	139.9	90.7	72.5	69.9	75.1	85.5	101.0	137.3	168.4	204.7
57.5°	191.7	150.3	85.5	62.2	59.6	64.8	75.1	88.1	119.2	145.1	178.8
60°	191.7	152.9	75.1	49.2	46.6	51.8	62.2	77.7	106.2	126.9	155.4
62.5°	173.6	139.9	62.2	38.9	33.7	38.9	51.8	64.8	93.3	114.0	137.3
65°	150.3	119.2	51.8	28.5	23.3	28.5	41.5	54.4	80.3	98.4	124.4
67.5°	121.8	90.7	38.9	20.7	15.5	20.7	31.1	44.0	67.4	85.5	111.4
70°	90.7	64.8	31.1	18.1	15.5	18.1	28.5	41.5	59.6	77.7	103.6
72.5°	67.4	44.0	25.9	18.1	13.0	18.1	25.9	38.9	57.0	75.1	98.4
75°	57.0	36.3	23.3	15.5	13.0	15.5	23.3	36.3	51.8	69.9	93.3
77.5°	54.4	33.7	20.7	13.0	10.4	13.0	20.7	31.1	46.6	64.8	90.7
80°	46.6	28.5	18.1	10.4	7.8	10.4	18.1	25.9	36.3	49.2	69.9
82.5°	36.3	23.3	13.0	5.2	2.6	5.2	13.0	15.5	23.3	28.5	41.5
85°	23.3	13.0	5.2	0.0	0.0	0.0	5.2	10.4	10.4	13.0	20.7
87.5°	10.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.2	7.8
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-SA6D-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1093.3	1095.9	1101.0	1108.8	1127.0	1142.5	1158.0	1178.8	1189.1	1189.1
5°	989.6	992.2	994.8	1005.2	1031.1	1051.8	1085.5	1127.0	1147.7	1152.9
7.5°	909.3	914.5	919.7	927.5	953.4	981.9	1025.9	1103.6	1142.5	1150.3
10°	862.7	870.5	880.8	896.4	919.7	950.8	1025.9	1165.8	1230.6	1243.5
12.5°	826.4	839.4	849.7	867.9	896.4	945.6	1095.9	1342.0	1456.0	1487.1
15°	790.2	805.7	821.3	839.4	870.5	963.7	1230.6	1658.0	1847.2	1870.5
17.5°	753.9	772.0	792.8	813.5	852.3	1007.8	1443.0	2095.9	2360.1	2411.9
20°	712.4	735.8	764.3	790.2	834.2	1077.7	1738.4	2616.6	2948.2	3059.6
22.5°	668.4	696.9	730.6	764.3	813.5	1163.2	2095.9	3176.2	3639.9	3712.5
25°	632.1	660.6	691.7	725.4	779.8	1266.8	2528.5	3870.5	4292.8	4362.7
27.5°	598.5	626.9	655.4	686.5	746.1	1401.6	3049.2	4608.8	5049.3	5121.8
30°	562.2	595.9	624.4	655.4	715.0	1567.4	3650.3	5427.5	5844.6	5912.0
32.5°	531.1	564.8	593.3	624.4	691.7	1748.7	4282.4	6152.9	6492.3	6492.3
35°	505.2	541.5	562.2	603.6	673.6	1865.3	4880.9	6844.6	7101.1	7090.7
37.5°	476.7	520.7	536.3	564.8	650.3	1878.3	5443.0	7575.2	7764.3	7697.0
40°	448.2	494.8	518.1	533.7	624.4	1772.0	6059.6	8246.2	8406.8	8318.7
42.5°	422.3	458.6	492.2	510.4	608.8	1585.5	6554.5	8963.8	9155.5	9077.8
45°	396.4	427.5	448.2	481.9	619.2	1456.0	6979.3	9800.6	10137.4	10080.4
47.5°	370.5	396.4	409.3	461.1	689.1	1396.4	7238.4	11095.9	11730.7	11684.0
50°	342.0	373.1	373.1	456.0	792.8	1417.1	7463.8	12971.6	13953.5	13937.9
52.5°	313.5	347.2	342.0	494.8	873.1	1513.0	7720.3	14627.1	16334.3	16476.8
55°	285.0	316.1	321.2	572.5	919.7	1595.9	6728.0	15324.0	18368.0	18868.0
57.5°	253.9	272.0	334.2	632.1	904.2	1836.8	4608.8	15450.9	19666.0	20738.5
60°	220.2	235.8	378.2	619.2	854.9	1696.9	2901.6	14311.0	19482.0	20842.1
62.5°	191.7	217.6	399.0	546.6	870.5	1471.5	1849.8	12197.0	17728.1	19279.9
65°	168.4	209.8	362.7	494.8	880.8	997.4	1248.7	9922.4	16015.7	17492.4
67.5°	150.3	233.2	297.9	440.4	756.5	702.1	857.5	7709.9	13466.4	14790.3
70°	137.3	238.3	243.5	378.2	585.5	450.8	564.8	5189.2	9282.5	10795.4
72.5°	124.4	176.2	183.9	303.1	378.2	274.6	365.3	2968.9	6766.9	7798.0
75°	119.2	119.2	126.9	196.9	209.8	199.5	235.8	1772.0	4852.4	5606.3
77.5°	111.4	90.7	80.3	126.9	114.0	142.5	139.9	787.6	2103.6	2274.6
80°	88.1	64.8	54.4	80.3	77.7	95.9	82.9	64.8	95.9	93.3
82.5°	54.4	41.5	38.9	49.2	44.0	49.2	38.9	10.4	10.4	10.4
85°	25.9	23.3	20.7	20.7	23.3	20.7	15.5	5.2	2.6	2.6
87.5°	13.0	13.0	10.4	7.8	10.4	10.4	7.8	2.6	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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