

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: P643325

Luminaire Tested: GWS-SA6E-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643325
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-SAGE-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: 28027.8 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

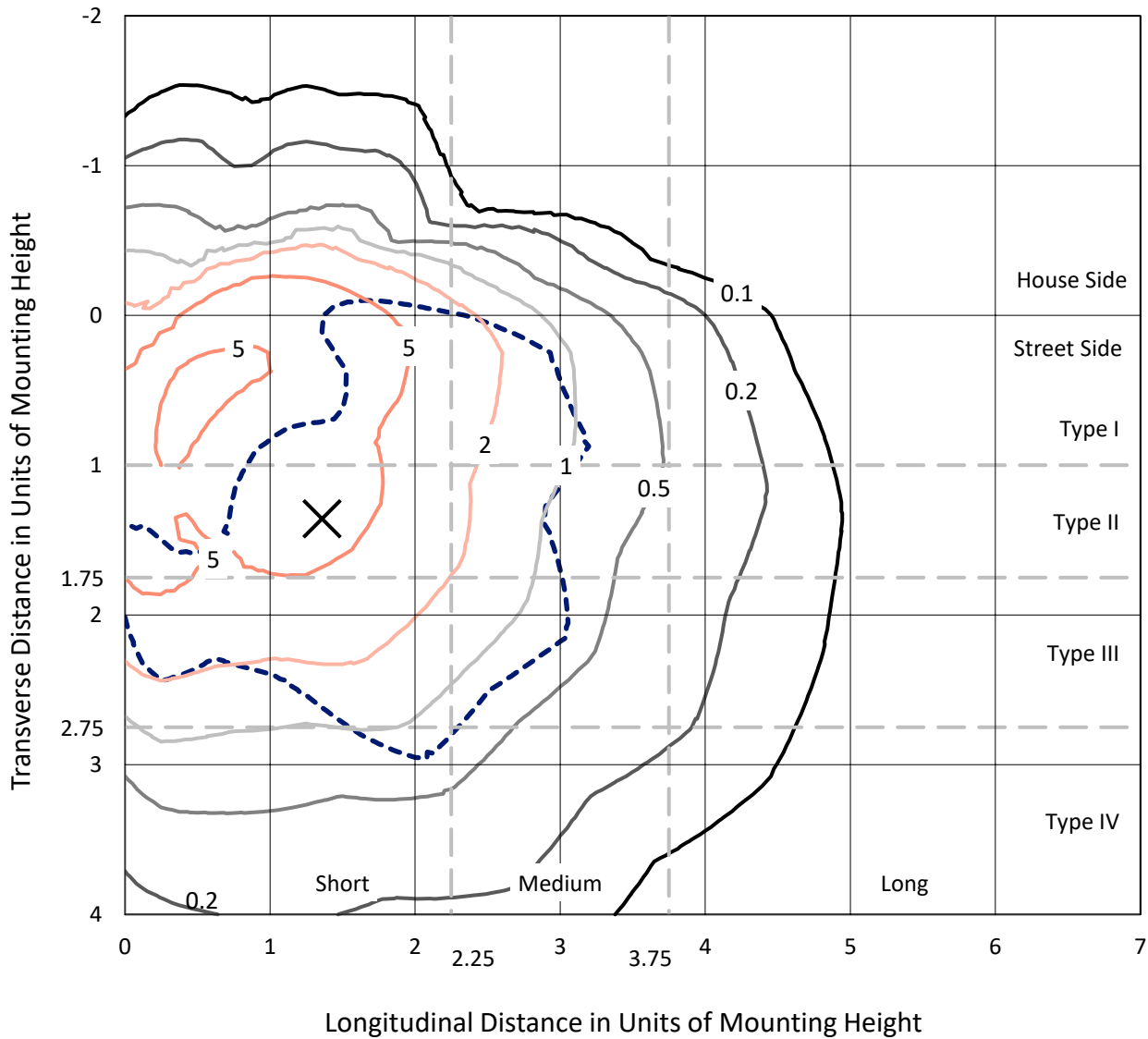
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

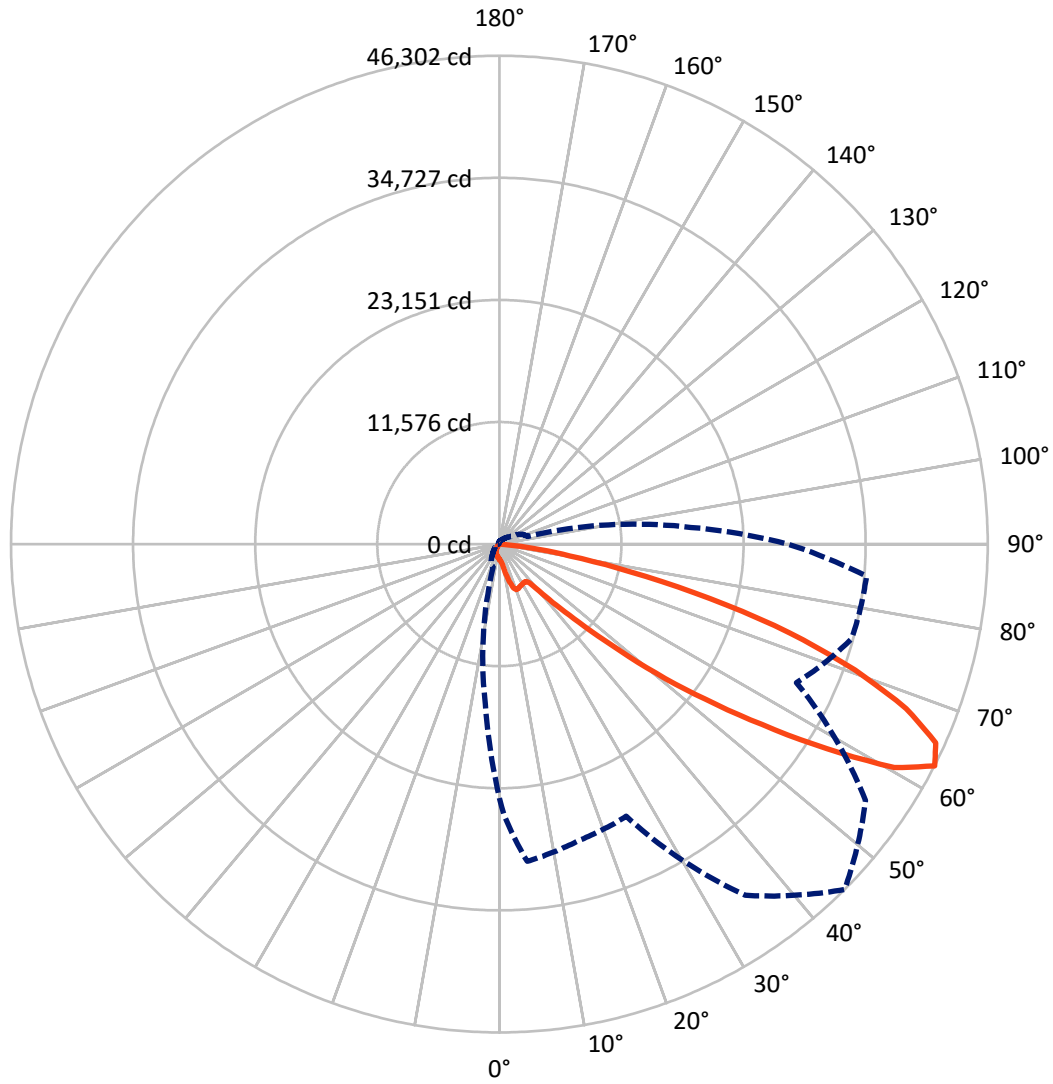
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	3458.6	0.0	3458.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	24569.2	0.0	24569.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	28027.8	0.0	28027.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	0.5
10°-20°	488.7	1.7
20°-30°	1062.2	3.8
30°-40°	1743.5	6.2
40°-50°	3205.2	11.4
50°-60°	6883.2	24.6
60°-70°	9245.2	33.0
70°-80°	4814.1	17.2
80°-90°	456.5	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°	28027.8	100.0
0°-180°	28027.8	100.0

Coefficient of Utilization

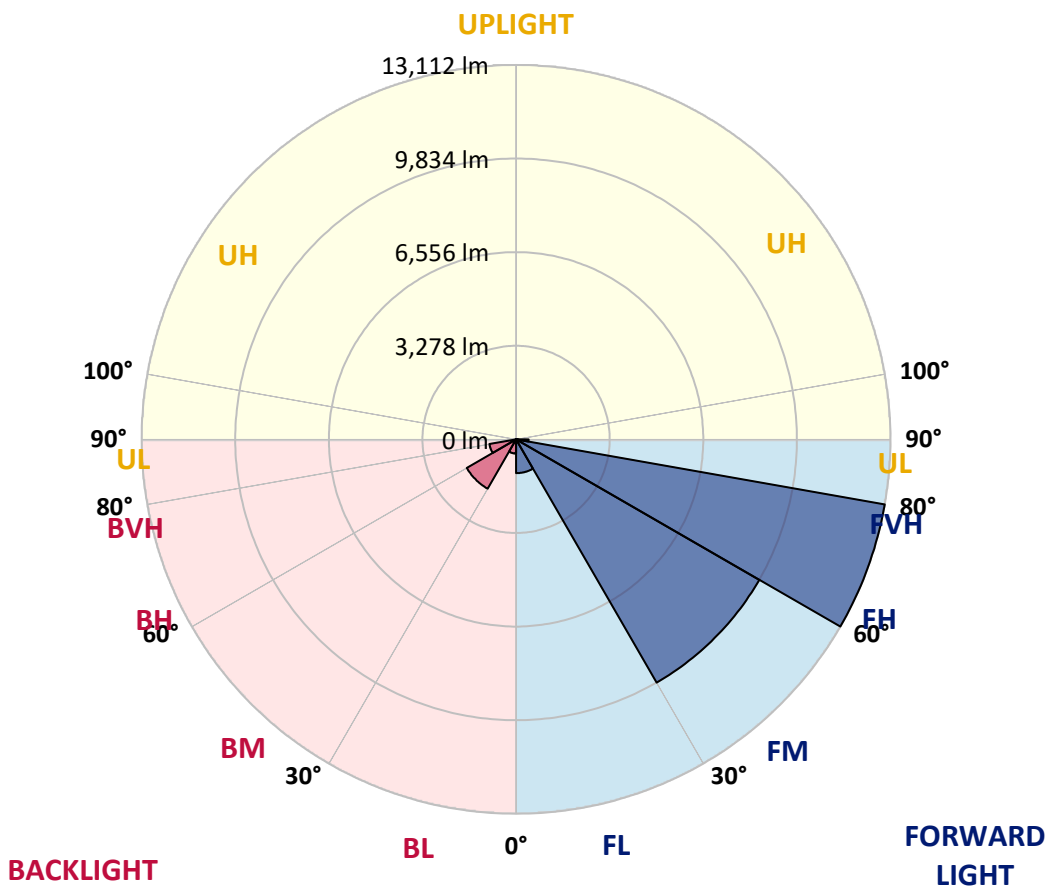


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1184.0	4.2			
FM (30°-60°)	9837.4	35.1			
FH (60°-80°)	13111.6	46.8			G5
FVH (80°-90°)	436.1	1.6			G3/500
BL (0°-30°)	496.1	1.8	B1/500		
BM (30°-60°)	1994.5	7.1	B2/2500		
BH (60°-80°)	947.7	3.4	B2/1000		G2/1000
BVH (80°-90°)	20.4	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1486.0	1492.5	1498.9	1521.6	1537.8	1550.7	1554.0	1544.3	1521.6	1498.9	1466.6
5°	1440.7	1447.1	1469.8	1531.3	1592.8	1641.4	1657.6	1647.9	1592.8	1521.6	1447.1
7.5°	1437.4	1450.4	1505.4	1634.9	1767.7	1868.0	1893.9	1871.3	1767.7	1625.2	1473.0
10°	1554.0	1576.6	1657.6	1890.7	2133.5	2311.5	2382.8	2285.6	2120.5	1861.5	1612.3
12.5°	1858.3	1897.2	2052.6	2392.5	2768.0	3004.4	3101.5	2981.7	2722.7	2347.2	1952.2
15°	2337.4	2395.7	2628.8	3137.1	3580.6	3791.1	3823.4	3755.5	3454.4	3040.0	2509.0
17.5°	3014.1	3098.3	3460.8	3978.8	4299.4	4373.8	4364.1	4292.9	4072.7	3787.8	3286.0
20°	3823.4	3923.8	4279.9	4707.3	4739.6	4652.2	4603.7	4561.6	4487.1	4438.6	4046.8
22.5°	4639.3	4762.3	5134.6	5241.5	4950.1	4697.6	4577.8	4610.1	4720.2	4959.8	4801.2
25°	5451.9	5568.4	5918.1	5630.0	5047.2	4626.3	4474.2	4551.9	4814.1	5332.1	5536.1
27.5°	6400.5	6487.9	6695.1	5895.4	5063.4	4568.1	4419.1	4538.9	4859.4	5565.2	6342.2
30°	7387.9	7439.7	7339.3	5966.6	5008.4	4480.7	4364.1	4538.9	4937.1	5720.6	6947.6
32.5°	8113.1	8122.8	7795.8	5973.1	4979.2	4409.4	4312.3	4519.5	5011.6	5850.1	7533.6
35°	8860.9	8812.4	8232.9	6070.2	5056.9	4435.3	4351.2	4574.5	5128.1	6002.3	8048.3
37.5°	9618.5	9531.1	8721.7	6228.9	5257.6	4717.0	4665.2	4856.2	5315.9	6212.7	8614.9
40°	10395.5	10275.7	9230.0	6468.5	5704.4	5675.3	5853.3	5830.7	5830.7	6481.4	9197.6
42.5°	11344.1	11204.9	9981.1	7145.1	6746.9	7397.6	7883.2	7582.1	7025.3	7099.8	9955.2
45°	12597.0	12477.2	11282.6	8440.1	8381.8	9877.5	10531.5	9935.8	8550.1	8527.5	11221.1
47.5°	14601.0	14578.3	13357.8	9942.3	10382.5	13034.0	14296.6	13150.6	10288.7	10039.4	13616.8
50°	17417.6	17349.6	15944.5	11703.4	12762.1	16944.9	19198.2	17288.1	12389.8	11803.8	16825.1
52.5°	20590.3	20661.5	19567.2	13626.5	15290.5	21296.0	24433.1	22027.7	14672.2	14047.4	20862.2
55°	23578.5	23986.4	23698.2	15876.5	17760.7	26100.4	30182.9	27227.1	17498.5	16983.7	25388.2
57.5°	25915.9	27065.2	29085.4	19146.4	20664.7	31720.7	36602.8	32863.5	20797.5	21752.5	31549.1
60°	26045.4	27567.0	32258.1	25987.1	24400.8	36541.3	43013.0	38370.4	25983.9	29849.4	36376.1
62.5°	24093.2	25724.9	30192.6	29095.1	28470.3	40643.1	46302.2	42384.9	31086.1	34592.3	34945.2
65°	21859.4	23507.2	27887.5	25569.5	27997.6	40468.3	45466.9	42478.8	31549.1	31367.8	32384.4
67.5°	18482.7	19962.2	23928.1	22633.1	25805.8	38516.1	41607.9	39801.4	29066.0	29337.9	29791.1
70°	13490.5	14915.0	18596.0	18660.7	22536.0	34997.0	35751.3	35502.0	26767.4	27055.5	25760.5
72.5°	9744.8	10945.9	14121.8	15303.5	17990.6	29347.6	28826.4	29787.9	22966.6	24096.4	20690.6
75°	7005.9	7905.9	10359.9	13312.5	14261.0	21794.6	20635.6	23070.2	18427.6	20748.9	15556.0
77.5°	2842.5	3159.8	4076.0	8967.8	9372.5	14662.5	12632.6	16757.1	13137.6	13633.0	7540.1
80°	116.5	129.5	168.3	4629.6	6426.4	8249.1	6759.8	8958.1	8676.4	5490.7	1780.6
82.5°	12.9	12.9	29.1	1333.8	2813.4	4551.9	3185.7	5160.5	4393.2	2327.7	809.4
85°	3.2	3.2	6.5	152.2	660.4	728.4	430.6	1583.1	2042.8	951.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	29.1	32.4	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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1466.6	1450.4	1431.0	1411.5	1401.8	1375.9	1366.2	1359.7	1353.3	1356.5	1356.5
5°	1418.0	1382.4	1340.3	1298.2	1275.6	1249.7	1236.7	1230.2	1233.5	1246.4	1246.4
7.5°	1411.5	1343.5	1252.9	1197.9	1172.0	1152.5	1139.6	1133.1	1136.3	1152.5	1159.0
10°	1518.4	1398.6	1236.7	1142.8	1113.7	1094.3	1081.3	1071.6	1065.1	1078.1	1081.3
12.5°	1748.2	1583.1	1314.4	1136.3	1084.6	1058.7	1048.9	1029.5	1019.8	1026.3	1029.5
15°	2224.1	1939.2	1469.8	1162.2	1058.7	1029.5	1013.3	997.1	981.0	977.7	981.0
17.5°	2845.7	2437.8	1706.1	1223.8	1039.2	1003.6	981.0	958.3	935.6	932.4	929.2
20°	3616.2	3049.7	2036.4	1320.9	1023.0	981.0	948.6	916.2	887.1	877.4	877.4
22.5°	4318.8	3787.8	2460.5	1440.7	1000.4	948.6	909.7	870.9	838.5	822.3	819.1
25°	5176.7	4571.3	2968.8	1579.9	968.0	906.5	864.4	825.6	793.2	773.8	767.3
27.5°	6041.1	5396.9	3545.0	1761.2	929.2	864.4	825.6	789.9	754.3	731.7	725.2
30°	6879.6	6287.2	4192.5	1987.8	900.0	822.3	789.9	754.3	722.0	686.3	676.6
32.5°	7779.6	7196.9	4917.7	2240.3	877.4	793.2	757.6	725.2	683.1	650.7	634.5
35°	8647.3	8135.7	5717.4	2486.4	854.7	767.3	728.4	696.1	650.7	615.1	592.5
37.5°	9521.4	9090.8	6552.6	2635.3	822.3	731.7	696.1	670.2	618.4	576.3	550.4
40°	10447.3	10078.2	7455.9	2573.8	793.2	692.8	673.4	644.3	586.0	537.4	505.0
42.5°	11463.9	11020.3	8375.3	2337.4	767.3	660.4	641.0	611.9	556.8	498.6	456.5
45°	12742.7	12053.1	9129.6	1981.3	780.2	628.1	589.2	582.7	530.9	456.5	404.7
47.5°	14940.9	13639.4	9715.6	1751.5	867.6	592.5	547.1	563.3	508.3	414.4	356.1
50°	18304.6	16268.3	10262.8	1735.3	1000.4	576.3	508.3	550.4	485.6	372.3	314.0
52.5°	21509.7	18939.2	10612.4	1877.7	1116.9	618.4	469.4	534.2	469.4	343.2	284.9
55°	24575.6	20480.2	9987.6	1981.3	1227.0	744.6	440.3	508.3	450.0	327.0	275.2
57.5°	27881.0	21166.5	7863.8	2191.8	1304.7	851.5	446.8	469.4	424.1	317.3	271.9
60°	28868.5	20289.2	4746.1	2466.9	1262.6	883.8	495.3	417.6	388.5	297.8	262.2
62.5°	27333.9	18207.5	2800.4	2246.8	1227.0	835.3	566.6	385.3	352.9	271.9	242.8
65°	25038.5	15381.2	1825.9	1897.2	1301.5	744.6	602.2	369.1	320.5	246.0	213.7
67.5°	22416.2	12389.8	1278.8	1120.2	1201.1	670.2	508.3	365.8	288.1	207.2	174.8
70°	18880.9	9278.6	900.0	741.4	1000.4	595.7	395.0	356.1	252.5	168.3	136.0
72.5°	14588.0	5808.0	670.2	479.1	712.2	485.6	314.0	301.1	204.0	139.2	103.6
75°	10758.1	3311.9	472.7	346.4	469.4	369.1	233.1	213.7	174.8	132.7	93.9
77.5°	5617.0	1657.6	294.6	265.5	268.7	229.9	168.3	155.4	161.9	132.7	87.4
80°	1078.1	330.2	178.1	194.2	145.7	145.7	123.0	129.5	142.4	106.8	74.5
82.5°	450.0	71.2	97.1	110.1	90.6	100.4	100.4	103.6	100.4	77.7	55.0
85°	0.0	0.0	42.1	45.3	61.5	61.5	51.8	51.8	51.8	45.3	32.4
87.5°	0.0	0.0	0.0	0.0	3.2	9.7	19.4	22.7	25.9	19.4	12.9
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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1353.3	1346.8	1356.5	1363.0	1369.4	1369.4	1363.0	1356.5	1346.8	1356.5	1346.8
5°	1249.7	1259.4	1275.6	1282.0	1288.5	1275.6	1269.1	1249.7	1233.5	1236.7	1230.2
7.5°	1168.7	1178.4	1197.9	1210.8	1210.8	1204.3	1184.9	1165.5	1139.6	1139.6	1136.3
10°	1094.3	1107.2	1129.9	1146.1	1152.5	1146.1	1126.6	1100.7	1078.1	1078.1	1068.4
12.5°	1032.8	1048.9	1074.8	1097.5	1104.0	1097.5	1078.1	1052.2	1026.3	1026.3	1019.8
15°	981.0	1000.4	1029.5	1055.4	1065.1	1055.4	1032.8	1000.4	974.5	977.7	968.0
17.5°	932.4	948.6	987.4	1016.6	1026.3	1016.6	987.4	945.3	919.4	925.9	919.4
20°	877.4	896.8	935.6	968.0	977.7	968.0	935.6	890.3	864.4	864.4	867.6
22.5°	819.1	838.5	877.4	900.0	913.0	903.3	870.9	828.8	802.9	802.9	806.1
25°	767.3	777.0	806.1	828.8	832.0	822.3	796.4	764.0	744.6	754.3	757.6
27.5°	718.7	718.7	731.7	744.6	741.4	731.7	722.0	696.1	692.8	702.5	712.2
30°	666.9	650.7	644.3	634.5	631.3	628.1	637.8	637.8	644.3	657.2	666.9
32.5°	621.6	589.2	560.1	530.9	514.8	527.7	553.6	576.3	598.9	618.4	628.1
35°	569.8	518.0	469.4	430.6	404.7	424.1	466.2	508.3	547.1	573.0	589.2
37.5°	518.0	443.5	385.3	336.7	317.3	333.5	378.8	437.1	495.3	527.7	550.4
40°	463.0	369.1	301.1	262.2	242.8	259.0	304.3	362.6	440.3	482.4	511.5
42.5°	407.9	304.3	242.8	204.0	194.2	204.0	239.6	297.8	382.0	433.8	472.7
45°	352.9	252.5	194.2	165.1	155.4	165.1	194.2	242.8	327.0	385.3	430.6
47.5°	304.3	213.7	161.9	136.0	129.5	139.2	161.9	204.0	275.2	333.5	385.3
50°	265.5	187.8	139.2	116.5	110.1	119.8	139.2	171.6	233.1	284.9	339.9
52.5°	239.6	174.8	123.0	100.4	97.1	103.6	119.8	145.7	197.5	242.8	294.6
55°	233.1	174.8	113.3	90.6	87.4	93.9	106.8	126.3	171.6	210.4	255.8
57.5°	239.6	187.8	106.8	77.7	74.5	80.9	93.9	110.1	148.9	181.3	223.4
60°	239.6	191.0	93.9	61.5	58.3	64.7	77.7	97.1	132.7	158.6	194.2
62.5°	216.9	174.8	77.7	48.6	42.1	48.6	64.7	80.9	116.5	142.4	171.6
65°	187.8	148.9	64.7	35.6	29.1	35.6	51.8	68.0	100.4	123.0	155.4
67.5°	152.2	113.3	48.6	25.9	19.4	25.9	38.8	55.0	84.2	106.8	139.2
70°	113.3	80.9	38.8	22.7	19.4	22.7	35.6	51.8	74.5	97.1	129.5
72.5°	84.2	55.0	32.4	22.7	16.2	22.7	32.4	48.6	71.2	93.9	123.0
75°	71.2	45.3	29.1	19.4	16.2	19.4	29.1	45.3	64.7	87.4	116.5
77.5°	68.0	42.1	25.9	16.2	12.9	16.2	25.9	38.8	58.3	80.9	113.3
80°	58.3	35.6	22.7	12.9	9.7	12.9	22.7	32.4	45.3	61.5	87.4
82.5°	45.3	29.1	16.2	6.5	3.2	6.5	16.2	19.4	29.1	35.6	51.8
85°	29.1	16.2	6.5	0.0	0.0	0.0	6.5	12.9	12.9	16.2	25.9
87.5°	12.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.5	9.7
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-SA6E-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1366.2	1369.4	1375.9	1385.6	1408.3	1427.7	1447.1	1473.0	1486.0	1486.0
5°	1236.7	1239.9	1243.2	1256.1	1288.5	1314.4	1356.5	1408.3	1434.2	1440.7
7.5°	1136.3	1142.8	1149.3	1159.0	1191.4	1227.0	1282.0	1379.2	1427.7	1437.4
10°	1078.1	1087.8	1100.7	1120.2	1149.3	1188.1	1282.0	1456.9	1537.8	1554.0
12.5°	1032.8	1048.9	1061.9	1084.6	1120.2	1181.7	1369.4	1677.0	1819.5	1858.3
15°	987.4	1006.9	1026.3	1048.9	1087.8	1204.3	1537.8	2072.0	2308.3	2337.4
17.5°	942.1	964.8	990.7	1016.6	1065.1	1259.4	1803.3	2619.1	2949.3	3014.1
20°	890.3	919.4	955.1	987.4	1042.5	1346.8	2172.3	3269.8	3684.2	3823.4
22.5°	835.3	870.9	913.0	955.1	1016.6	1453.6	2619.1	3969.1	4548.6	4639.3
25°	789.9	825.6	864.4	906.5	974.5	1583.1	3159.8	4836.8	5364.5	5451.9
27.5°	747.9	783.5	819.1	857.9	932.4	1751.5	3810.5	5759.4	6309.8	6400.5
30°	702.5	744.6	780.2	819.1	893.5	1958.7	4561.6	6782.5	7303.7	7387.9
32.5°	663.7	705.8	741.4	780.2	864.4	2185.3	5351.5	7689.0	8113.1	8113.1
35°	631.3	676.6	702.5	754.3	841.7	2331.0	6099.4	8553.4	8873.9	8860.9
37.5°	595.7	650.7	670.2	705.8	812.6	2347.2	6801.9	9466.3	9702.7	9618.5
40°	560.1	618.4	647.5	666.9	780.2	2214.4	7572.4	10304.8	10505.6	10395.5
42.5°	527.7	573.0	615.1	637.8	760.8	1981.3	8190.8	11201.6	11441.2	11344.1
45°	495.3	534.2	560.1	602.2	773.8	1819.5	8721.7	12247.3	12668.2	12597.0
47.5°	463.0	495.3	511.5	576.3	861.2	1745.0	9045.5	13866.1	14659.2	14601.0
50°	427.3	466.2	466.2	569.8	990.7	1770.9	9327.1	16210.0	17437.0	17417.6
52.5°	391.7	433.8	427.3	618.4	1091.0	1890.7	9647.6	18278.7	20412.2	20590.3
55°	356.1	395.0	401.4	715.5	1149.3	1994.3	8407.7	19149.6	22953.6	23578.5
57.5°	317.3	339.9	417.6	789.9	1129.9	2295.4	5759.4	19308.2	24575.6	25915.9
60°	275.2	294.6	472.7	773.8	1068.4	2120.5	3626.0	17883.8	24345.7	26045.4
62.5°	239.6	271.9	498.6	683.1	1087.8	1838.9	2311.5	15242.0	22154.0	24093.2
65°	210.4	262.2	453.2	618.4	1100.7	1246.4	1560.5	12399.5	20014.0	21859.4
67.5°	187.8	291.4	372.3	550.4	945.3	877.4	1071.6	9634.7	16828.3	18482.7
70°	171.6	297.8	304.3	472.7	731.7	563.3	705.8	6484.6	11599.8	13490.5
72.5°	155.4	220.1	229.9	378.8	472.7	343.2	456.5	3710.1	8456.3	9744.8
75°	148.9	148.9	158.6	246.0	262.2	249.3	294.6	2214.4	6063.8	7005.9
77.5°	139.2	113.3	100.4	158.6	142.4	178.1	174.8	984.2	2628.8	2842.5
80°	110.1	80.9	68.0	100.4	97.1	119.8	103.6	80.9	119.8	116.5
82.5°	68.0	51.8	48.6	61.5	55.0	61.5	48.6	12.9	12.9	12.9
85°	32.4	29.1	25.9	25.9	29.1	25.9	19.4	6.5	3.2	3.2
87.5°	16.2	16.2	12.9	9.7	12.9	12.9	9.7	3.2	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

(END OF REPORT)