

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: P634305

Luminaire Tested: GWS-SA3B-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634305
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-SA3B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6455.1 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

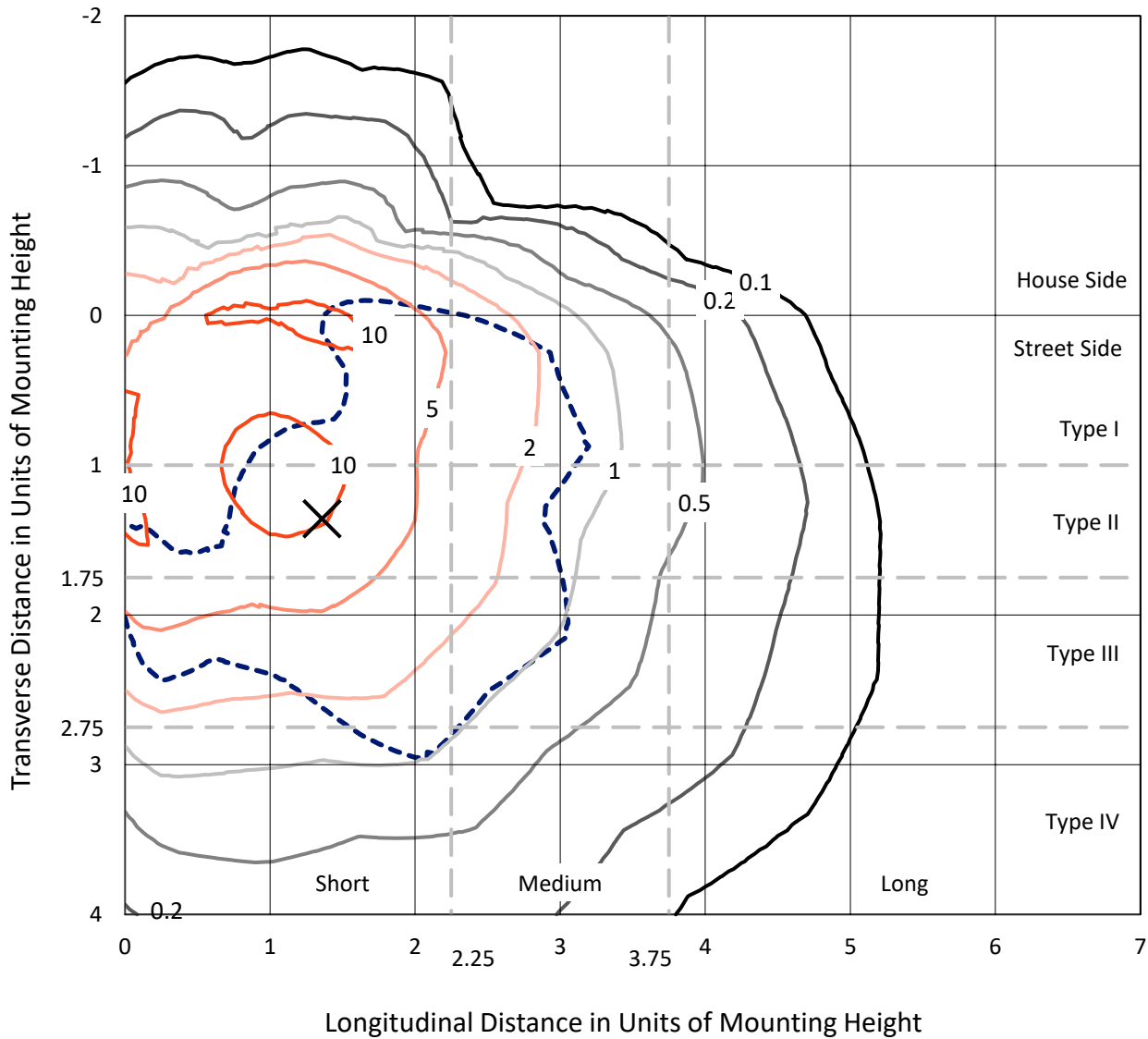
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

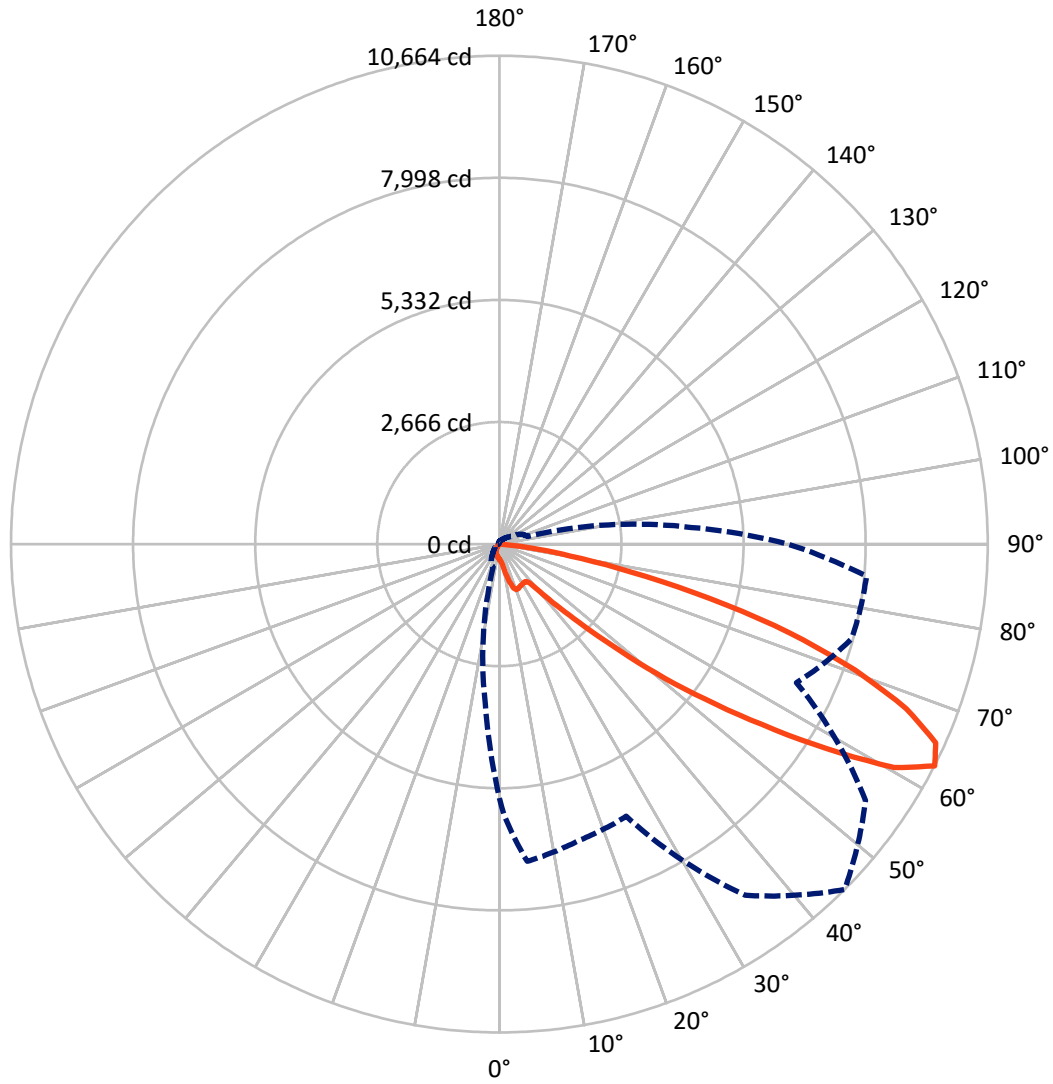
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	796.6	0.0	796.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5658.5	0.0	5658.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	6455.1	0.0	6455.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.5
10°-20°	112.5	1.7
20°-30°	244.6	3.8
30°-40°	401.5	6.2
40°-50°	738.2	11.4
50°-60°	1585.3	24.6
60°-70°	2129.3	33.0
70°-80°	1108.7	17.2
80°-90°	105.1	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°	6455.1	100.0
0°-180°	6455.1	100.0

Coefficient of Utilization

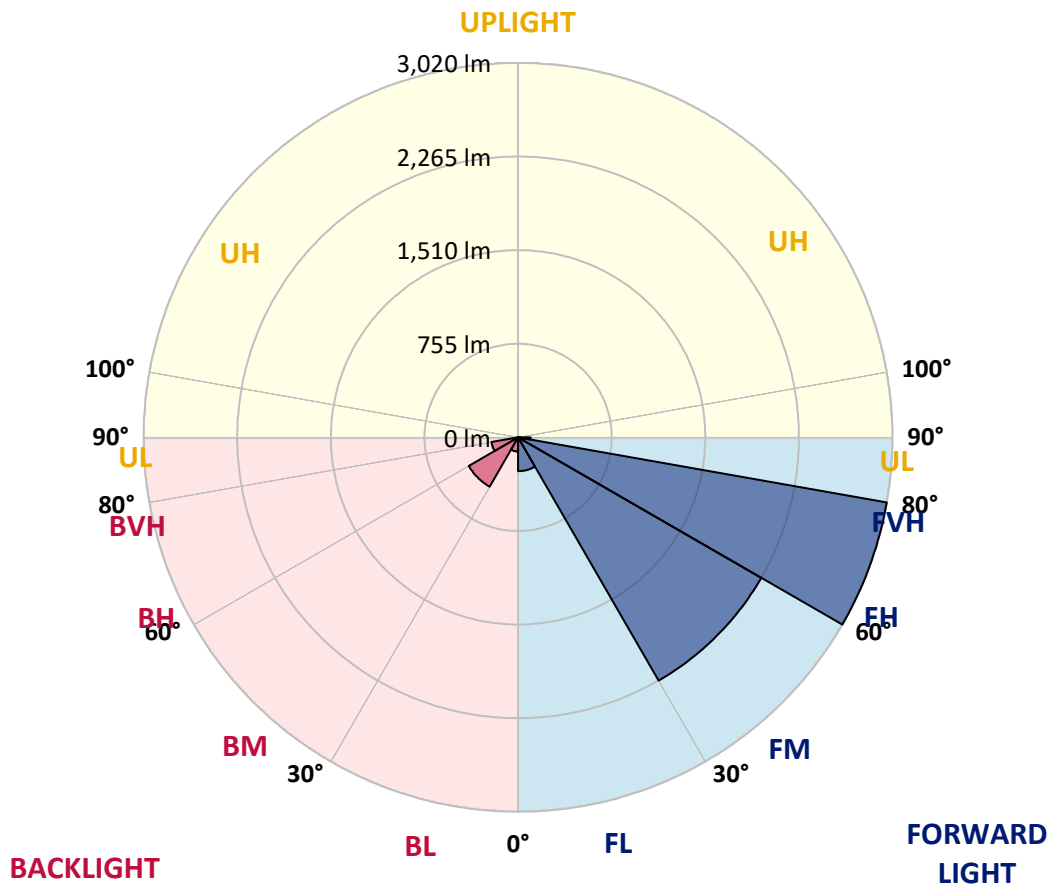


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.7	4.2			
FM (30°-60°)	2265.7	35.1			
FH (60°-80°)	3019.7	46.8			G2/5000
FVH (80°-90°)	100.4	1.6			G2/225
BL (0°-30°)	114.3	1.8	B1/500		
BM (30°-60°)	459.3	7.1	B1/1000		
BH (60°-80°)	218.3	3.4	B1/500		G1/500
BVH (80°-90°)	4.7	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°	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5
2.5°	342.2	343.7	345.2	350.4	354.2	357.2	357.9	355.7	350.4	345.2	337.8
5°	331.8	333.3	338.5	352.7	366.8	378.0	381.8	379.5	366.8	350.4	333.3
7.5°	331.1	334.0	346.7	376.5	407.1	430.2	436.2	431.0	407.1	374.3	339.3
10°	357.9	363.1	381.8	435.4	491.4	532.4	548.8	526.4	488.4	428.7	371.3
12.5°	428.0	436.9	472.7	551.0	637.5	691.9	714.3	686.7	627.1	540.6	449.6
15°	538.3	551.8	605.4	722.5	824.7	873.1	880.6	864.9	795.6	700.1	577.9
17.5°	694.2	713.6	797.1	916.4	990.2	1007.3	1005.1	988.7	938.0	872.4	756.8
20°	880.6	903.7	985.7	1084.1	1091.6	1071.5	1060.3	1050.6	1033.4	1022.2	932.0
22.5°	1068.5	1096.8	1182.6	1207.2	1140.1	1081.9	1054.3	1061.8	1087.1	1142.3	1105.8
25°	1255.6	1282.5	1363.0	1296.6	1162.4	1065.5	1030.5	1048.3	1108.7	1228.0	1275.0
27.5°	1474.1	1494.2	1541.9	1357.8	1166.2	1052.1	1017.8	1045.4	1119.2	1281.7	1460.7
30°	1701.5	1713.4	1690.3	1374.2	1153.5	1031.9	1005.1	1045.4	1137.1	1317.5	1600.1
32.5°	1868.5	1870.8	1795.5	1375.7	1146.8	1015.5	993.2	1040.9	1154.2	1347.3	1735.1
35°	2040.8	2029.6	1896.1	1398.0	1164.7	1021.5	1002.1	1053.6	1181.1	1382.4	1853.6
37.5°	2215.2	2195.1	2008.7	1434.6	1210.9	1086.4	1074.4	1118.4	1224.3	1430.8	1984.1
40°	2394.2	2366.6	2125.8	1489.8	1313.8	1307.1	1348.1	1342.9	1342.9	1492.7	2118.3
42.5°	2612.7	2580.6	2298.8	1645.6	1553.9	1703.7	1815.6	1746.2	1618.0	1635.1	2292.8
45°	2901.2	2873.6	2598.5	1943.8	1930.4	2274.9	2425.5	2288.3	1969.2	1964.0	2584.3
47.5°	3362.8	3357.5	3076.4	2289.8	2391.2	3001.9	3292.7	3028.7	2369.6	2312.2	3136.1
50°	4011.4	3995.8	3672.2	2695.4	2939.2	3902.6	4421.5	3981.6	2853.5	2718.5	3875.0
52.5°	4742.2	4758.6	4506.5	3138.3	3521.6	4904.7	5627.2	5073.2	3379.2	3235.3	4804.8
55°	5430.4	5524.3	5458.0	3656.5	4090.5	6011.2	6951.4	6270.7	4030.1	3911.5	5847.2
57.5°	5968.7	6233.4	6698.7	4409.6	4759.3	7305.6	8430.0	7568.8	4789.9	5009.8	7266.1
60°	5998.5	6349.0	7429.4	5985.1	5619.8	8415.8	9906.3	8837.1	5984.4	6874.6	8377.8
62.5°	5548.9	5924.7	6953.7	6700.9	6557.0	9360.5	10663.9	9761.7	7159.5	7967.0	8048.2
65°	5034.4	5414.0	6422.8	5888.9	6448.1	9320.3	10471.5	9783.3	7266.1	7224.3	7458.5
67.5°	4256.8	4597.5	5510.9	5212.6	5943.4	8870.7	9582.7	9166.7	6694.2	6756.8	6861.2
70°	3107.0	3435.1	4282.9	4297.8	5190.3	8060.2	8233.9	8176.5	6164.8	6231.2	5932.9
72.5°	2244.3	2520.9	3252.4	3524.6	4143.4	6759.1	6639.0	6860.5	5289.4	5549.7	4765.3
75°	1613.5	1820.8	2386.0	3066.0	3284.5	5019.5	4752.6	5313.3	4244.1	4778.7	3582.7
77.5°	654.7	727.7	938.7	2065.4	2158.6	3376.9	2909.4	3859.3	3025.7	3139.8	1736.6
80°	26.8	29.8	38.8	1066.2	1480.1	1899.8	1556.9	2063.1	1998.3	1264.6	410.1
82.5°	3.0	3.0	6.7	307.2	647.9	1048.3	733.7	1188.5	1011.8	536.1	186.4
85°	0.7	0.7	1.5	35.0	152.1	167.8	99.2	364.6	470.5	219.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.7	7.5	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°	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5
2.5°	337.8	334.0	329.6	325.1	322.9	316.9	314.7	313.2	311.7	312.4	312.4
5°	326.6	318.4	308.7	299.0	293.8	287.8	284.8	283.3	284.1	287.1	287.1
7.5°	325.1	309.4	288.6	275.9	269.9	265.4	262.5	261.0	261.7	265.4	266.9
10°	349.7	322.1	284.8	263.2	256.5	252.0	249.0	246.8	245.3	248.3	249.0
12.5°	402.6	364.6	302.7	261.7	249.8	243.8	241.6	237.1	234.9	236.4	237.1
15°	512.2	446.6	338.5	267.7	243.8	237.1	233.4	229.7	225.9	225.2	225.9
17.5°	655.4	561.5	392.9	281.8	239.3	231.1	225.9	220.7	215.5	214.7	214.0
20°	832.9	702.4	469.0	304.2	235.6	225.9	218.5	211.0	204.3	202.1	202.1
22.5°	994.7	872.4	566.7	331.8	230.4	218.5	209.5	200.6	193.1	189.4	188.6
25°	1192.3	1052.8	683.7	363.9	222.9	208.8	199.1	190.1	182.7	178.2	176.7
27.5°	1391.3	1243.0	816.5	405.6	214.0	199.1	190.1	181.9	173.7	168.5	167.0
30°	1584.4	1448.0	965.6	457.8	207.3	189.4	181.9	173.7	166.3	158.1	155.8
32.5°	1791.7	1657.5	1132.6	516.0	202.1	182.7	174.5	167.0	157.3	149.9	146.1
35°	1991.6	1873.7	1316.8	572.6	196.8	176.7	167.8	160.3	149.9	141.7	136.4
37.5°	2192.9	2093.7	1509.1	606.9	189.4	168.5	160.3	154.3	142.4	132.7	126.8
40°	2406.1	2321.1	1717.2	592.8	182.7	159.6	155.1	148.4	135.0	123.8	116.3
42.5°	2640.2	2538.1	1928.9	538.3	176.7	152.1	147.6	140.9	128.2	114.8	105.1
45°	2934.8	2776.0	2102.7	456.3	179.7	144.7	135.7	134.2	122.3	105.1	93.2
47.5°	3441.0	3141.3	2237.6	403.4	199.8	136.4	126.0	129.7	117.1	95.4	82.0
50°	4215.7	3746.8	2363.6	399.7	230.4	132.7	117.1	126.8	111.8	85.7	72.3
52.5°	4953.9	4361.9	2444.2	432.5	257.2	142.4	108.1	123.0	108.1	79.0	65.6
55°	5660.0	4716.8	2300.2	456.3	282.6	171.5	101.4	117.1	103.6	75.3	63.4
57.5°	6421.3	4874.9	1811.1	504.8	300.5	196.1	102.9	108.1	97.7	73.1	62.6
60°	6648.7	4672.8	1093.1	568.2	290.8	203.6	114.1	96.2	89.5	68.6	60.4
62.5°	6295.3	4193.4	645.0	517.5	282.6	192.4	130.5	88.7	81.3	62.6	55.9
65°	5766.6	3542.5	420.5	436.9	299.7	171.5	138.7	85.0	73.8	56.7	49.2
67.5°	5162.7	2853.5	294.5	258.0	276.6	154.3	117.1	84.3	66.4	47.7	40.3
70°	4348.5	2137.0	207.3	170.7	230.4	137.2	91.0	82.0	58.2	38.8	31.3
72.5°	3359.8	1337.6	154.3	110.4	164.0	111.8	72.3	69.3	47.0	32.1	23.9
75°	2477.7	762.8	108.9	79.8	108.1	85.0	53.7	49.2	40.3	30.6	21.6
77.5°	1293.7	381.8	67.9	61.1	61.9	52.9	38.8	35.8	37.3	30.6	20.1
80°	248.3	76.1	41.0	44.7	33.6	33.6	28.3	29.8	32.8	24.6	17.1
82.5°	103.6	16.4	22.4	25.4	20.9	23.1	23.1	23.9	23.1	17.9	12.7
85°	0.0	0.0	9.7	10.4	14.2	14.2	11.9	11.9	11.9	10.4	7.5
87.5°	0.0	0.0	0.0	0.0	0.7	2.2	4.5	5.2	6.0	4.5	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5
2.5°	311.7	310.2	312.4	313.9	315.4	315.4	313.9	312.4	310.2	312.4	310.2
5°	287.8	290.0	293.8	295.3	296.8	293.8	292.3	287.8	284.1	284.8	283.3
7.5°	269.2	271.4	275.9	278.9	278.9	277.4	272.9	268.4	262.5	262.5	261.7
10°	252.0	255.0	260.2	264.0	265.4	264.0	259.5	253.5	248.3	248.3	246.1
12.5°	237.9	241.6	247.5	252.8	254.3	252.8	248.3	242.3	236.4	236.4	234.9
15°	225.9	230.4	237.1	243.1	245.3	243.1	237.9	230.4	224.4	225.2	222.9
17.5°	214.7	218.5	227.4	234.1	236.4	234.1	227.4	217.7	211.8	213.2	211.8
20°	202.1	206.5	215.5	222.9	225.2	222.9	215.5	205.0	199.1	199.1	199.8
22.5°	188.6	193.1	202.1	207.3	210.3	208.0	200.6	190.9	184.9	184.9	185.7
25°	176.7	178.9	185.7	190.9	191.6	189.4	183.4	176.0	171.5	173.7	174.5
27.5°	165.5	165.5	168.5	171.5	170.7	168.5	166.3	160.3	159.6	161.8	164.0
30°	153.6	149.9	148.4	146.1	145.4	144.7	146.9	146.9	148.4	151.4	153.6
32.5°	143.2	135.7	129.0	122.3	118.6	121.5	127.5	132.7	137.9	142.4	144.7
35°	131.2	119.3	108.1	99.2	93.2	97.7	107.4	117.1	126.0	132.0	135.7
37.5°	119.3	102.2	88.7	77.5	73.1	76.8	87.2	100.7	114.1	121.5	126.8
40°	106.6	85.0	69.3	60.4	55.9	59.6	70.1	83.5	101.4	111.1	117.8
42.5°	93.9	70.1	55.9	47.0	44.7	47.0	55.2	68.6	88.0	99.9	108.9
45°	81.3	58.2	44.7	38.0	35.8	38.0	44.7	55.9	75.3	88.7	99.2
47.5°	70.1	49.2	37.3	31.3	29.8	32.1	37.3	47.0	63.4	76.8	88.7
50°	61.1	43.2	32.1	26.8	25.4	27.6	32.1	39.5	53.7	65.6	78.3
52.5°	55.2	40.3	28.3	23.1	22.4	23.9	27.6	33.6	45.5	55.9	67.9
55°	53.7	40.3	26.1	20.9	20.1	21.6	24.6	29.1	39.5	48.5	58.9
57.5°	55.2	43.2	24.6	17.9	17.1	18.6	21.6	25.4	34.3	41.8	51.4
60°	55.2	44.0	21.6	14.2	13.4	14.9	17.9	22.4	30.6	36.5	44.7
62.5°	50.0	40.3	17.9	11.2	9.7	11.2	14.9	18.6	26.8	32.8	39.5
65°	43.2	34.3	14.9	8.2	6.7	8.2	11.9	15.7	23.1	28.3	35.8
67.5°	35.0	26.1	11.2	6.0	4.5	6.0	8.9	12.7	19.4	24.6	32.1
70°	26.1	18.6	8.9	5.2	4.5	5.2	8.2	11.9	17.1	22.4	29.8
72.5°	19.4	12.7	7.5	5.2	3.7	5.2	7.5	11.2	16.4	21.6	28.3
75°	16.4	10.4	6.7	4.5	3.7	4.5	6.7	10.4	14.9	20.1	26.8
77.5°	15.7	9.7	6.0	3.7	3.0	3.7	6.0	8.9	13.4	18.6	26.1
80°	13.4	8.2	5.2	3.0	2.2	3.0	5.2	7.5	10.4	14.2	20.1
82.5°	10.4	6.7	3.7	1.5	0.7	1.5	3.7	4.5	6.7	8.2	11.9
85°	6.7	3.7	1.5	0.0	0.0	0.0	1.5	3.0	3.0	3.7	6.0
87.5°	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2
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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CATALOG NUMBER: GWS-SA3B-740-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5	335.5
2.5°	314.7	315.4	316.9	319.1	324.3	328.8	333.3	339.3	342.2	342.2
5°	284.8	285.6	286.3	289.3	296.8	302.7	312.4	324.3	330.3	331.8
7.5°	261.7	263.2	264.7	266.9	274.4	282.6	295.3	317.6	328.8	331.1
10°	248.3	250.5	253.5	258.0	264.7	273.6	295.3	335.5	354.2	357.9
12.5°	237.9	241.6	244.6	249.8	258.0	272.2	315.4	386.2	419.0	428.0
15°	227.4	231.9	236.4	241.6	250.5	277.4	354.2	477.2	531.6	538.3
17.5°	217.0	222.2	228.2	234.1	245.3	290.0	415.3	603.2	679.3	694.2
20°	205.0	211.8	220.0	227.4	240.1	310.2	500.3	753.1	848.5	880.6
22.5°	192.4	200.6	210.3	220.0	234.1	334.8	603.2	914.1	1047.6	1068.5
25°	181.9	190.1	199.1	208.8	224.4	364.6	727.7	1114.0	1235.5	1255.6
27.5°	172.2	180.4	188.6	197.6	214.7	403.4	877.6	1326.5	1453.2	1474.1
30°	161.8	171.5	179.7	188.6	205.8	451.1	1050.6	1562.1	1682.1	1701.5
32.5°	152.9	162.5	170.7	179.7	199.1	503.3	1232.5	1770.9	1868.5	1868.5
35°	145.4	155.8	161.8	173.7	193.9	536.8	1404.8	1969.9	2043.8	2040.8
37.5°	137.2	149.9	154.3	162.5	187.2	540.6	1566.6	2180.2	2234.6	2215.2
40°	129.0	142.4	149.1	153.6	179.7	510.0	1744.0	2373.3	2419.5	2394.2
42.5°	121.5	132.0	141.7	146.9	175.2	456.3	1886.4	2579.9	2635.0	2612.7
45°	114.1	123.0	129.0	138.7	178.2	419.0	2008.7	2820.7	2917.6	2901.2
47.5°	106.6	114.1	117.8	132.7	198.3	401.9	2083.3	3193.5	3376.2	3362.8
50°	98.4	107.4	107.4	131.2	228.2	407.9	2148.1	3733.3	4015.9	4011.4
52.5°	90.2	99.9	98.4	142.4	251.3	435.4	2222.0	4209.8	4701.1	4742.2
55°	82.0	91.0	92.5	164.8	264.7	459.3	1936.4	4410.4	5286.5	5430.4
57.5°	73.1	78.3	96.2	181.9	260.2	528.6	1326.5	4446.9	5660.0	5968.7
60°	63.4	67.9	108.9	178.2	246.1	488.4	835.1	4118.8	5607.1	5998.5
62.5°	55.2	62.6	114.8	157.3	250.5	423.5	532.4	3510.4	5102.3	5548.9
65°	48.5	60.4	104.4	142.4	253.5	287.1	359.4	2855.7	4609.4	5034.4
67.5°	43.2	67.1	85.7	126.8	217.7	202.1	246.8	2219.0	3875.7	4256.8
70°	39.5	68.6	70.1	108.9	168.5	129.7	162.5	1493.5	2671.6	3107.0
72.5°	35.8	50.7	52.9	87.2	108.9	79.0	105.1	854.5	1947.6	2244.3
75°	34.3	34.3	36.5	56.7	60.4	57.4	67.9	510.0	1396.6	1613.5
77.5°	32.1	26.1	23.1	36.5	32.8	41.0	40.3	226.7	605.4	654.7
80°	25.4	18.6	15.7	23.1	22.4	27.6	23.9	18.6	27.6	26.8
82.5°	15.7	11.9	11.2	14.2	12.7	14.2	11.2	3.0	3.0	3.0
85°	7.5	6.7	6.0	6.0	6.7	6.0	4.5	1.5	0.7	0.7
87.5°	3.7	3.7	3.0	2.2	3.0	3.0	2.2	0.7	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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