

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: P635185

Luminaire Tested: GWS-SA3D-730-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635185
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9945.1 lumens
Efficiency: N/A
Efficacy: 82.3 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): 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



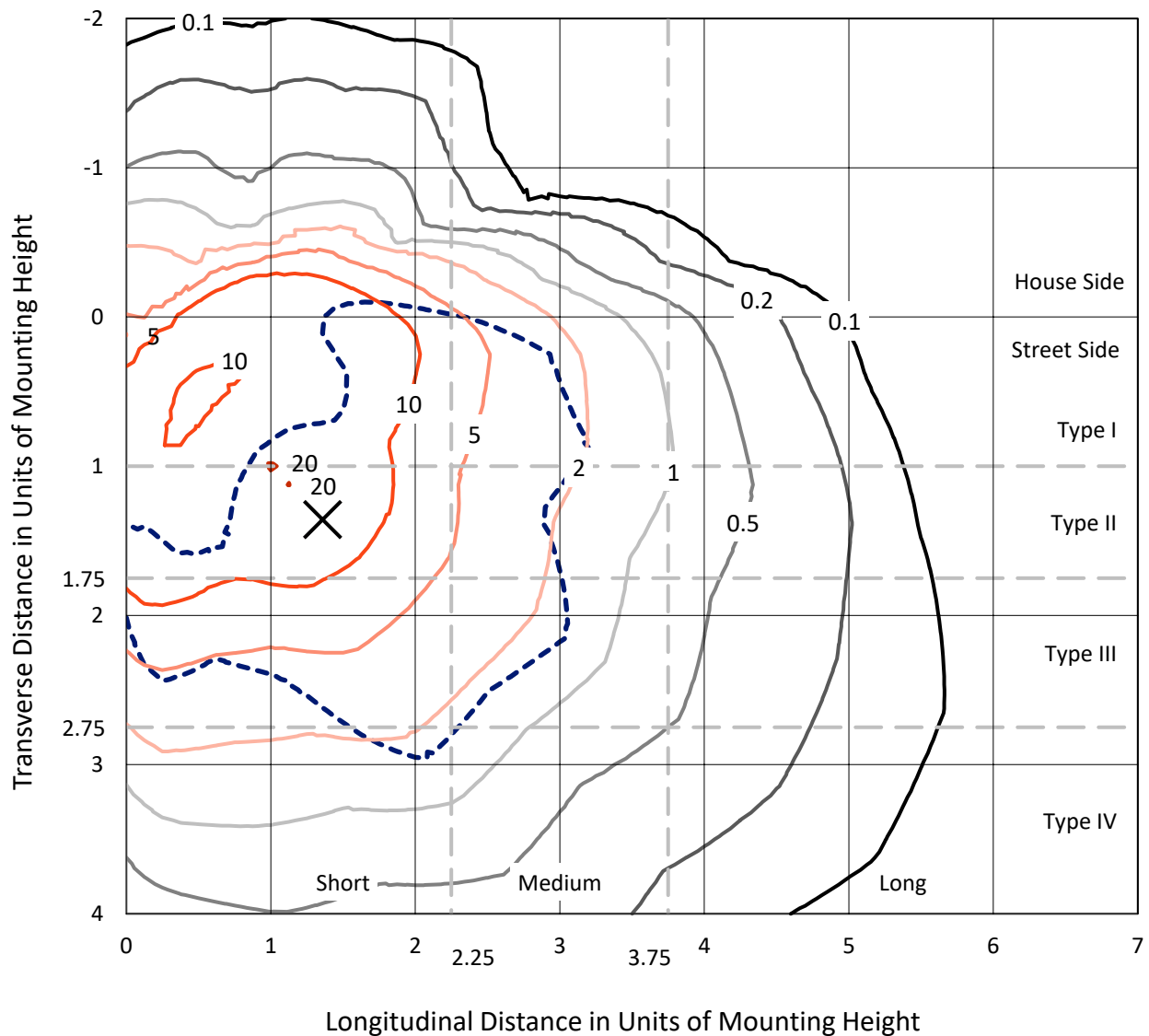
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

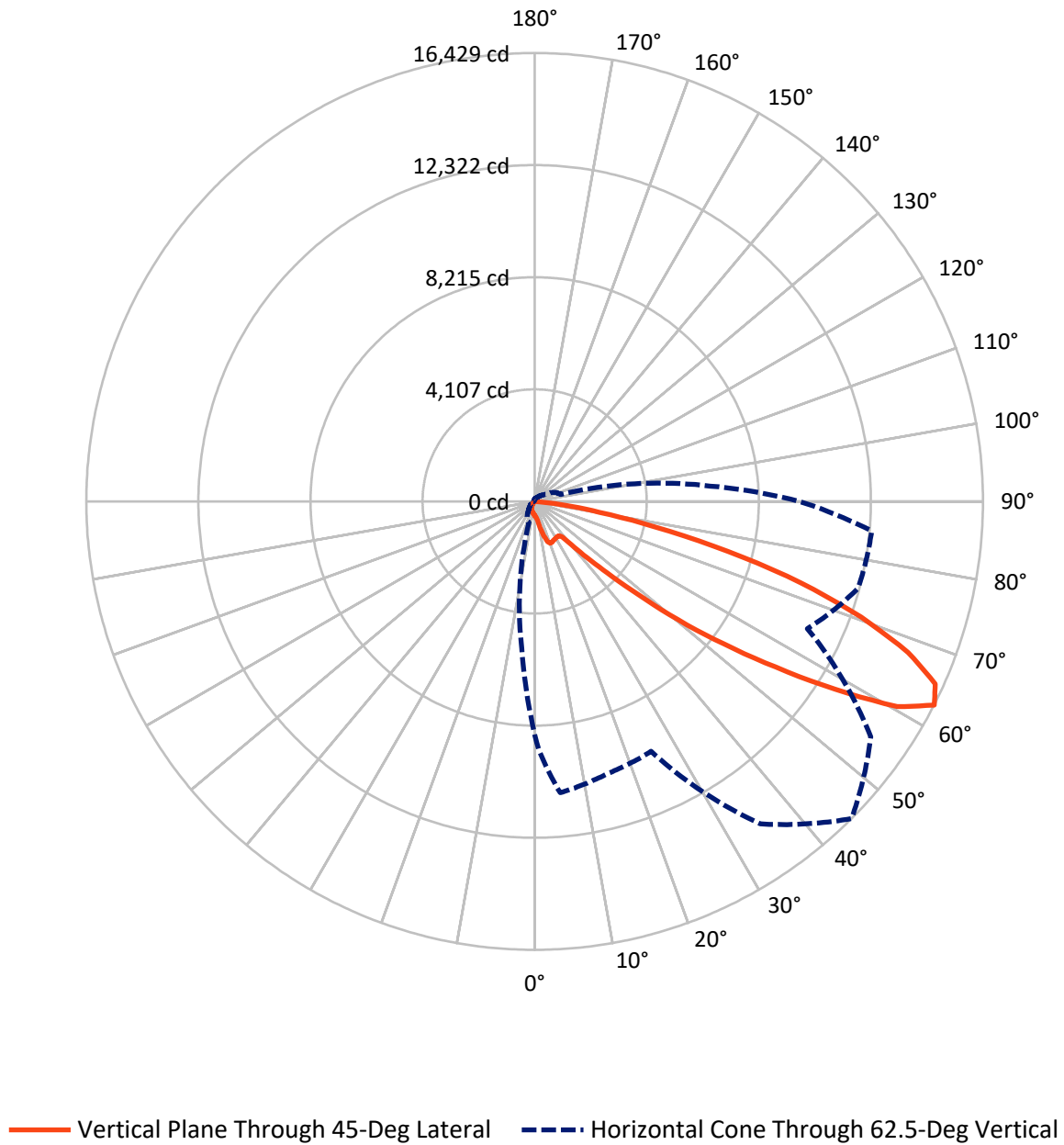
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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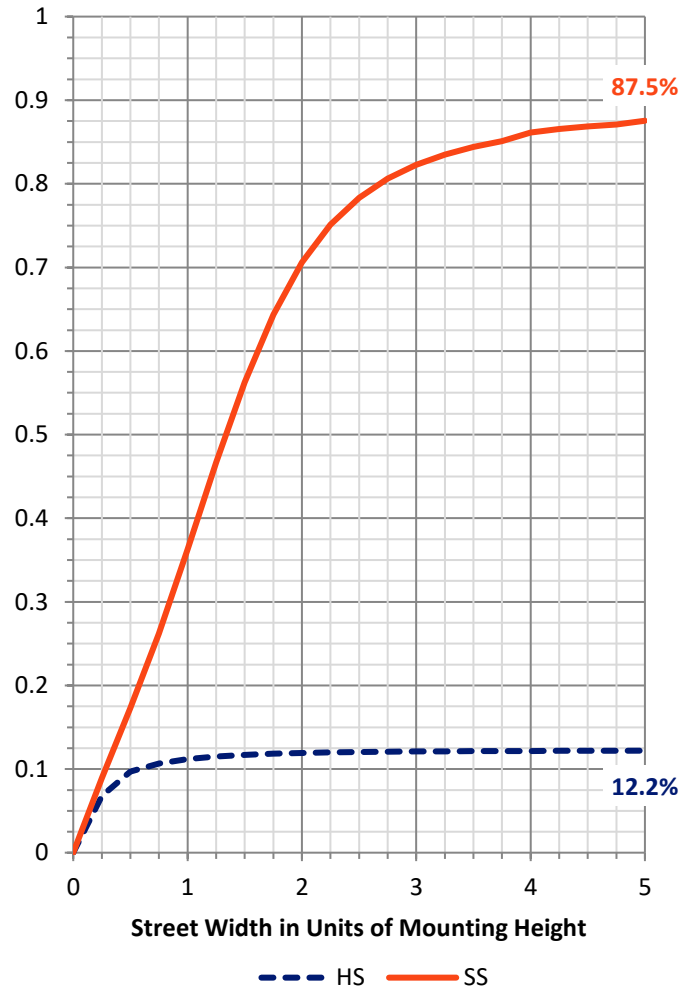
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.2	0.0	1227.2
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	8717.9	0.0	8717.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	9945.1	0.0	9945.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	0.5
10°-20°	173.4	1.7
20°-30°	376.9	3.8
30°-40°	618.6	6.2
40°-50°	1137.3	11.4
50°-60°	2442.4	24.6
60°-70°	3280.5	33.0
70°-80°	1708.2	17.2
80°-90°	162.0	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°	9945.1	100.0
0°-180°	9945.1	100.0

Coefficient of Utilization



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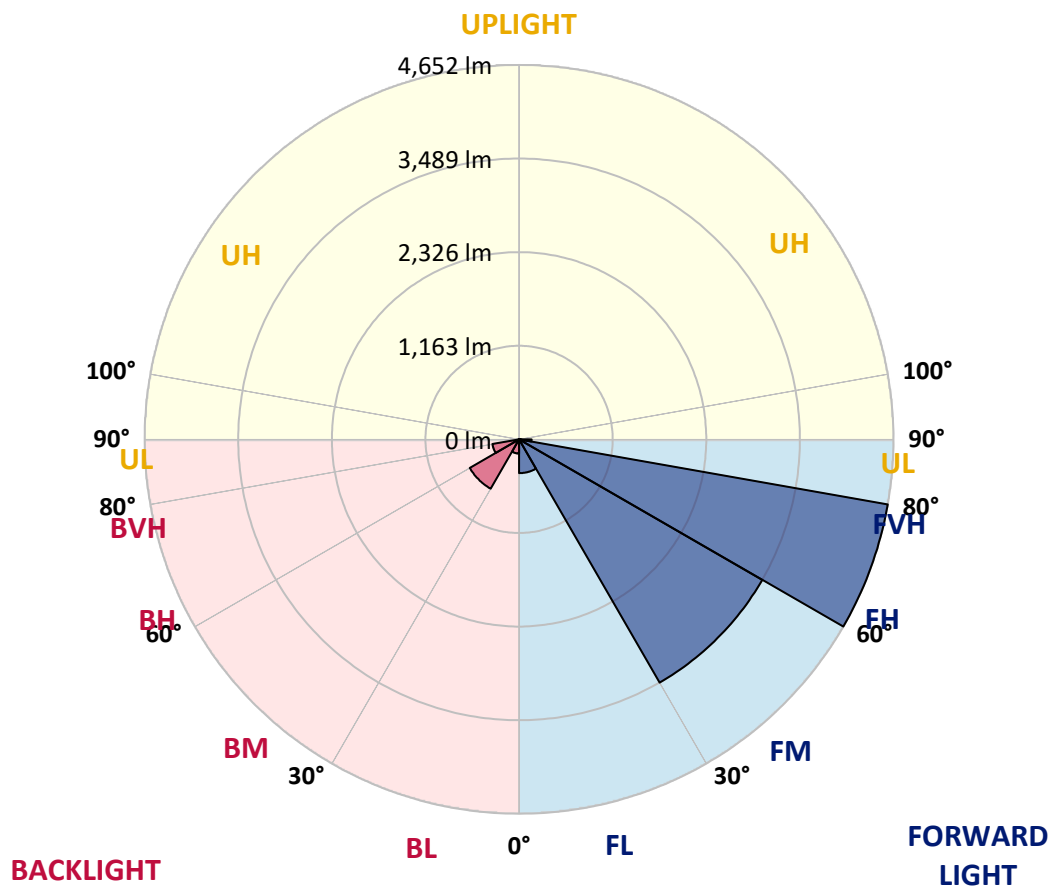
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	420.1	4.2			
FM	(30°-60°)	3490.6	35.1			
FH	(60°-80°)	4652.4	46.8			G2/5000
FVH	(80°-90°)	154.7	1.6			G2/225
BL	(0°-30°)	176.0	1.8	B1/500		
BM	(30°-60°)	707.7	7.1	B1/1000		
BH	(60°-80°)	336.3	3.4	B1/500		G1/500
BVH	(80°-90°)	7.2	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°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	527.3	529.6	531.9	539.9	545.7	550.3	551.4	548.0	539.9	531.9	520.4
5°	511.2	513.5	521.5	543.4	565.2	582.4	588.2	584.7	565.2	539.9	513.5
7.5°	510.0	514.6	534.2	580.1	627.2	662.8	672.0	664.0	627.2	576.7	522.7
10°	551.4	559.4	588.2	670.9	757.0	820.2	845.5	811.0	752.4	660.5	572.1
12.5°	659.4	673.2	728.3	848.9	982.2	1066.0	1100.5	1058.0	966.1	832.8	692.7
15°	829.4	850.1	932.8	1113.1	1270.5	1345.2	1356.7	1332.5	1225.7	1078.7	890.3
17.5°	1069.5	1099.4	1228.0	1411.8	1525.5	1552.0	1548.5	1523.2	1445.1	1344.0	1166.0
20°	1356.7	1392.3	1518.6	1670.3	1681.8	1650.8	1633.5	1618.6	1592.2	1574.9	1435.9
22.5°	1646.2	1689.8	1821.9	1859.8	1756.4	1666.8	1624.3	1635.8	1674.9	1759.9	1703.6
25°	1934.5	1975.8	2099.9	1997.7	1790.9	1641.6	1587.6	1615.1	1708.2	1892.0	1964.4
27.5°	2271.1	2302.1	2375.6	2091.9	1796.6	1620.9	1568.0	1610.5	1724.3	1974.7	2250.4
30°	2621.4	2639.8	2604.2	2117.1	1777.1	1589.9	1548.5	1610.5	1751.8	2029.8	2465.2
32.5°	2878.8	2882.2	2766.2	2119.4	1766.8	1564.6	1530.1	1603.7	1778.3	2075.8	2673.1
35°	3144.1	3126.9	2921.3	2153.9	1794.3	1573.8	1543.9	1623.2	1819.6	2129.8	2855.8
37.5°	3412.9	3381.9	3094.7	2210.2	1865.6	1673.7	1655.3	1723.1	1886.2	2204.4	3056.8
40°	3688.6	3646.1	3275.1	2295.2	2024.1	2013.8	2076.9	2068.9	2068.9	2299.8	3263.6
42.5°	4025.2	3975.8	3541.6	2535.3	2394.0	2624.9	2797.2	2690.4	2492.8	2519.2	3532.4
45°	4469.8	4427.3	4003.4	2994.8	2974.1	3504.8	3736.9	3525.5	3033.8	3025.8	3981.6
47.5°	5180.9	5172.8	4739.7	3527.8	3684.0	4624.9	5072.9	4666.2	3650.7	3562.3	4831.6
50°	6180.3	6156.1	5657.6	4152.7	4528.4	6012.6	6812.1	6134.3	4396.3	4188.3	5970.0
52.5°	7306.0	7331.3	6943.0	4835.1	5425.5	7556.5	8669.6	7816.1	5206.1	4984.4	7402.5
55°	8366.3	8511.1	8408.8	5633.5	6302.0	9261.2	10709.8	9661.0	6209.0	6026.3	9008.5
57.5°	9195.7	9603.5	10320.4	6793.7	7332.5	11255.4	12987.8	11661.0	7379.6	7718.4	11194.6
60°	9241.7	9781.6	11446.1	9221.0	8658.1	12965.9	15262.3	13615.0	9219.9	10591.5	12907.3
62.5°	8549.0	9128.0	10713.2	10323.8	10102.1	14421.4	16429.4	15039.4	11030.3	12274.4	12399.6
65°	7756.4	8341.1	9895.3	9072.8	9934.4	14359.4	16133.0	15072.7	11194.6	11130.2	11490.9
67.5°	6558.2	7083.2	8490.4	8030.9	9156.7	13666.7	14763.7	14122.7	10313.5	10410.0	10570.8
70°	4786.8	5292.3	6598.4	6621.4	7996.4	12418.0	12685.6	12597.2	9497.9	9600.1	9140.6
72.5°	3457.7	3883.9	5010.8	5430.1	6383.6	10413.4	10228.5	10569.6	8149.2	8550.1	7341.7
75°	2485.9	2805.2	3676.0	4723.7	5060.2	7733.4	7322.1	8186.0	6538.7	7362.3	5519.7
77.5°	1008.6	1121.2	1446.3	3182.0	3325.6	5202.7	4482.4	5945.9	4661.6	4837.4	2675.4
80°	41.4	45.9	59.7	1642.7	2280.3	2927.0	2398.6	3178.6	3078.6	1948.3	631.8
82.5°	4.6	4.6	10.3	473.3	998.3	1615.1	1130.4	1831.1	1558.9	826.0	287.2
85°	1.1	1.1	2.3	54.0	234.3	258.5	152.8	561.7	724.9	337.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	10.3	11.5	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°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	520.4	514.6	507.7	500.9	497.4	488.2	484.8	482.5	480.2	481.3	481.3
5°	503.2	490.5	475.6	460.6	452.6	443.4	438.8	436.5	437.7	442.3	442.3
7.5°	500.9	476.7	444.6	425.0	415.8	409.0	404.4	402.1	403.2	409.0	411.3
10°	538.8	496.3	438.8	405.5	395.2	388.3	383.7	380.2	377.9	382.5	383.7
12.5°	620.3	561.7	466.4	403.2	384.8	375.6	372.2	365.3	361.9	364.2	365.3
15°	789.2	688.1	521.5	412.4	375.6	365.3	359.6	353.8	348.1	346.9	348.1
17.5°	1009.8	865.0	605.4	434.2	368.7	356.1	348.1	340.0	332.0	330.8	329.7
20°	1283.2	1082.1	722.6	468.7	363.0	348.1	336.6	325.1	314.8	311.3	311.3
22.5°	1532.4	1344.0	873.0	511.2	355.0	336.6	322.8	309.0	297.5	291.8	290.6
25°	1836.8	1622.0	1053.4	560.6	343.5	321.6	306.7	292.9	281.4	274.6	272.3
27.5°	2143.6	1915.0	1257.9	624.9	329.7	306.7	292.9	280.3	267.7	259.6	257.3
30°	2441.1	2230.9	1487.6	705.3	319.4	291.8	280.3	267.7	256.2	243.5	240.1
32.5°	2760.4	2553.7	1744.9	794.9	311.3	281.4	268.8	257.3	242.4	230.9	225.2
35°	3068.3	2886.8	2028.7	882.2	303.3	272.3	258.5	247.0	230.9	218.3	210.2
37.5°	3378.5	3225.7	2325.1	935.1	291.8	259.6	247.0	237.8	219.4	204.5	195.3
40°	3707.0	3576.1	2645.6	913.3	281.4	245.8	238.9	228.6	207.9	190.7	179.2
42.5°	4067.7	3910.3	2971.8	829.4	272.3	234.3	227.5	217.1	197.6	176.9	162.0
45°	4521.5	4276.8	3239.5	703.0	276.8	222.9	209.1	206.8	188.4	162.0	143.6
47.5°	5301.5	4839.7	3447.4	621.5	307.9	210.2	194.1	199.9	180.4	147.0	126.4
50°	6495.0	5772.5	3641.5	615.7	355.0	204.5	180.4	195.3	172.3	132.1	111.4
52.5°	7632.3	6720.2	3765.6	666.3	396.3	219.4	166.6	189.5	166.6	121.8	101.1
55°	8720.2	7267.0	3543.9	703.0	435.4	264.2	156.2	180.4	159.7	116.0	97.6
57.5°	9893.0	7510.5	2790.3	777.7	462.9	302.1	158.5	166.6	150.5	112.6	96.5
60°	10243.4	7199.2	1684.1	875.3	448.0	313.6	175.8	148.2	137.8	105.7	93.0
62.5°	9698.9	6460.6	993.7	797.2	435.4	296.4	201.0	136.7	125.2	96.5	86.2
65°	8884.4	5457.7	647.9	673.2	461.8	264.2	213.7	131.0	113.7	87.3	75.8
67.5°	7953.9	4396.3	453.8	397.5	426.2	237.8	180.4	129.8	102.2	73.5	62.0
70°	6699.5	3292.3	319.4	263.1	355.0	211.4	140.1	126.4	89.6	59.7	48.2
72.5°	5176.3	2060.9	237.8	170.0	252.7	172.3	111.4	106.8	72.4	49.4	36.8
75°	3817.3	1175.2	167.7	122.9	166.6	131.0	82.7	75.8	62.0	47.1	33.3
77.5°	1993.1	588.2	104.5	94.2	95.3	81.6	59.7	55.1	57.4	47.1	31.0
80°	382.5	117.2	63.2	68.9	51.7	51.7	43.7	45.9	50.5	37.9	26.4
82.5°	159.7	25.3	34.5	39.1	32.2	35.6	35.6	36.8	35.6	27.6	19.5
85°	0.0	0.0	14.9	16.1	21.8	21.8	18.4	18.4	18.4	16.1	11.5
87.5°	0.0	0.0	0.0	0.0	1.1	3.4	6.9	8.0	9.2	6.9	4.6
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°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	480.2	477.9	481.3	483.6	485.9	485.9	483.6	481.3	477.9	481.3	477.9
5°	443.4	446.9	452.6	454.9	457.2	452.6	450.3	443.4	437.7	438.8	436.5
7.5°	414.7	418.1	425.0	429.6	429.6	427.3	420.4	413.5	404.4	404.4	403.2
10°	388.3	392.9	400.9	406.7	409.0	406.7	399.8	390.6	382.5	382.5	379.1
12.5°	366.5	372.2	381.4	389.4	391.7	389.4	382.5	373.3	364.2	364.2	361.9
15°	348.1	355.0	365.3	374.5	377.9	374.5	366.5	355.0	345.8	346.9	343.5
17.5°	330.8	336.6	350.4	360.7	364.2	360.7	350.4	335.4	326.2	328.5	326.2
20°	311.3	318.2	332.0	343.5	346.9	343.5	332.0	315.9	306.7	306.7	307.9
22.5°	290.6	297.5	311.3	319.4	323.9	320.5	309.0	294.1	284.9	284.9	286.0
25°	272.3	275.7	286.0	294.1	295.2	291.8	282.6	271.1	264.2	267.7	268.8
27.5°	255.0	255.0	259.6	264.2	263.1	259.6	256.2	247.0	245.8	249.3	252.7
30°	236.6	230.9	228.6	225.2	224.0	222.9	226.3	226.3	228.6	233.2	236.6
32.5°	220.6	209.1	198.7	188.4	182.7	187.2	196.4	204.5	212.5	219.4	222.9
35°	202.2	183.8	166.6	152.8	143.6	150.5	165.4	180.4	194.1	203.3	209.1
37.5°	183.8	157.4	136.7	119.5	112.6	118.3	134.4	155.1	175.8	187.2	195.3
40°	164.3	131.0	106.8	93.0	86.2	91.9	108.0	128.7	156.2	171.2	181.5
42.5°	144.7	108.0	86.2	72.4	68.9	72.4	85.0	105.7	135.6	153.9	167.7
45°	125.2	89.6	68.9	58.6	55.1	58.6	68.9	86.2	116.0	136.7	152.8
47.5°	108.0	75.8	57.4	48.2	45.9	49.4	57.4	72.4	97.6	118.3	136.7
50°	94.2	66.6	49.4	41.4	39.1	42.5	49.4	60.9	82.7	101.1	120.6
52.5°	85.0	62.0	43.7	35.6	34.5	36.8	42.5	51.7	70.1	86.2	104.5
55°	82.7	62.0	40.2	32.2	31.0	33.3	37.9	44.8	60.9	74.7	90.8
57.5°	85.0	66.6	37.9	27.6	26.4	28.7	33.3	39.1	52.8	64.3	79.3
60°	85.0	67.8	33.3	21.8	20.7	23.0	27.6	34.5	47.1	56.3	68.9
62.5°	77.0	62.0	27.6	17.2	14.9	17.2	23.0	28.7	41.4	50.5	60.9
65°	66.6	52.8	23.0	12.6	10.3	12.6	18.4	24.1	35.6	43.7	55.1
67.5°	54.0	40.2	17.2	9.2	6.9	9.2	13.8	19.5	29.9	37.9	49.4
70°	40.2	28.7	13.8	8.0	6.9	8.0	12.6	18.4	26.4	34.5	45.9
72.5°	29.9	19.5	11.5	8.0	5.7	8.0	11.5	17.2	25.3	33.3	43.7
75°	25.3	16.1	10.3	6.9	5.7	6.9	10.3	16.1	23.0	31.0	41.4
77.5°	24.1	14.9	9.2	5.7	4.6	5.7	9.2	13.8	20.7	28.7	40.2
80°	20.7	12.6	8.0	4.6	3.4	4.6	8.0	11.5	16.1	21.8	31.0
82.5°	16.1	10.3	5.7	2.3	1.1	2.3	5.7	6.9	10.3	12.6	18.4
85°	10.3	5.7	2.3	0.0	0.0	0.0	2.3	4.6	4.6	5.7	9.2
87.5°	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4
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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CATALOG NUMBER: GWS-SA3D-730-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	484.8	485.9	488.2	491.7	499.7	506.6	513.5	522.7	527.3	527.3
5°	438.8	440.0	441.1	445.7	457.2	466.4	481.3	499.7	508.9	511.2
7.5°	403.2	405.5	407.8	411.3	422.7	435.4	454.9	489.4	506.6	510.0
10°	382.5	386.0	390.6	397.5	407.8	421.6	454.9	516.9	545.7	551.4
12.5°	366.5	372.2	376.8	384.8	397.5	419.3	485.9	595.1	645.6	659.4
15°	350.4	357.3	364.2	372.2	386.0	427.3	545.7	735.2	819.1	829.4
17.5°	334.3	342.3	351.5	360.7	377.9	446.9	639.9	929.3	1046.5	1069.5
20°	315.9	326.2	338.9	350.4	369.9	477.9	770.8	1160.2	1307.3	1356.7
22.5°	296.4	309.0	323.9	338.9	360.7	515.8	929.3	1408.4	1614.0	1646.2
25°	280.3	292.9	306.7	321.6	345.8	561.7	1121.2	1716.2	1903.5	1934.5
27.5°	265.4	278.0	290.6	304.4	330.8	621.5	1352.1	2043.6	2238.9	2271.1
30°	249.3	264.2	276.8	290.6	317.1	695.0	1618.6	2406.6	2591.6	2621.4
32.5°	235.5	250.4	263.1	276.8	306.7	775.4	1898.9	2728.3	2878.8	2878.8
35°	224.0	240.1	249.3	267.7	298.7	827.1	2164.2	3035.0	3148.7	3144.1
37.5°	211.4	230.9	237.8	250.4	288.3	832.8	2413.5	3358.9	3442.8	3412.9
40°	198.7	219.4	229.7	236.6	276.8	785.7	2686.9	3656.5	3727.7	3688.6
42.5°	187.2	203.3	218.3	226.3	270.0	703.0	2906.3	3974.7	4059.7	4025.2
45°	175.8	189.5	198.7	213.7	274.6	645.6	3094.7	4345.7	4495.1	4469.8
47.5°	164.3	175.8	181.5	204.5	305.6	619.2	3209.6	4920.1	5201.5	5180.9
50°	151.6	165.4	165.4	202.2	351.5	628.4	3309.5	5751.8	6187.2	6180.3
52.5°	139.0	153.9	151.6	219.4	387.1	670.9	3423.3	6485.8	7242.9	7306.0
55°	126.4	140.1	142.4	253.9	407.8	707.6	2983.3	6794.9	8144.6	8366.3
57.5°	112.6	120.6	148.2	280.3	400.9	814.5	2043.6	6851.1	8720.2	9195.7
60°	97.6	104.5	167.7	274.6	379.1	752.4	1286.6	6345.7	8638.6	9241.7
62.5°	85.0	96.5	176.9	242.4	386.0	652.5	820.2	5408.3	7860.9	8549.0
65°	74.7	93.0	160.8	219.4	390.6	442.3	553.7	4399.7	7101.6	7756.4
67.5°	66.6	103.4	132.1	195.3	335.4	311.3	380.2	3418.7	5971.2	6558.2
70°	60.9	105.7	108.0	167.7	259.6	199.9	250.4	2300.9	4116.0	4786.8
72.5°	55.1	78.1	81.6	134.4	167.7	121.8	162.0	1316.5	3000.5	3457.7
75°	52.8	52.8	56.3	87.3	93.0	88.5	104.5	785.7	2151.6	2485.9
77.5°	49.4	40.2	35.6	56.3	50.5	63.2	62.0	349.2	932.8	1008.6
80°	39.1	28.7	24.1	35.6	34.5	42.5	36.8	28.7	42.5	41.4
82.5°	24.1	18.4	17.2	21.8	19.5	21.8	17.2	4.6	4.6	4.6
85°	11.5	10.3	9.2	9.2	10.3	9.2	6.9	2.3	1.1	1.1
87.5°	5.7	5.7	4.6	3.4	4.6	4.6	3.4	1.1	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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