

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P458846

Luminaire Tested: **GLAN-SA3D-735-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15449 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

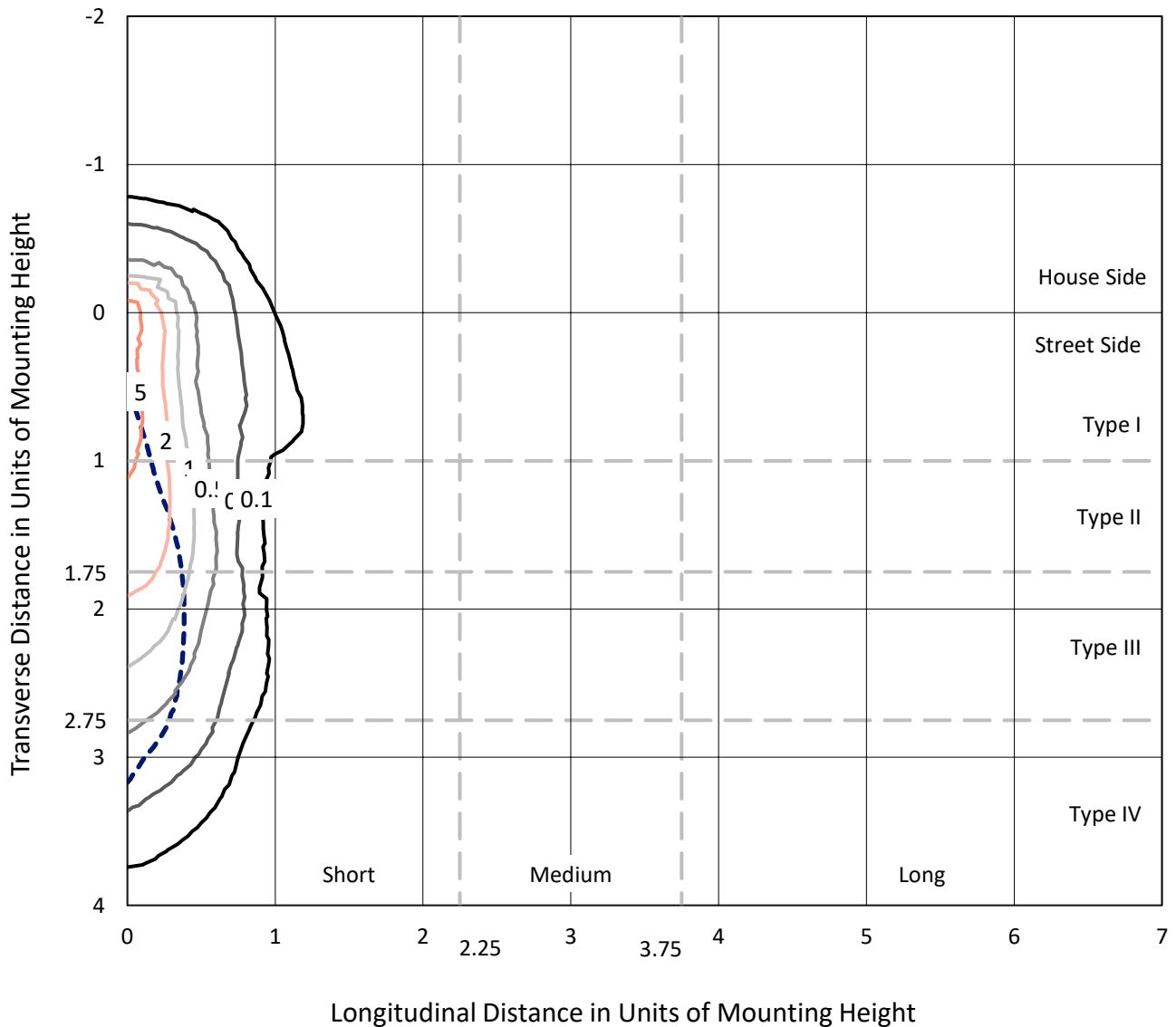
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

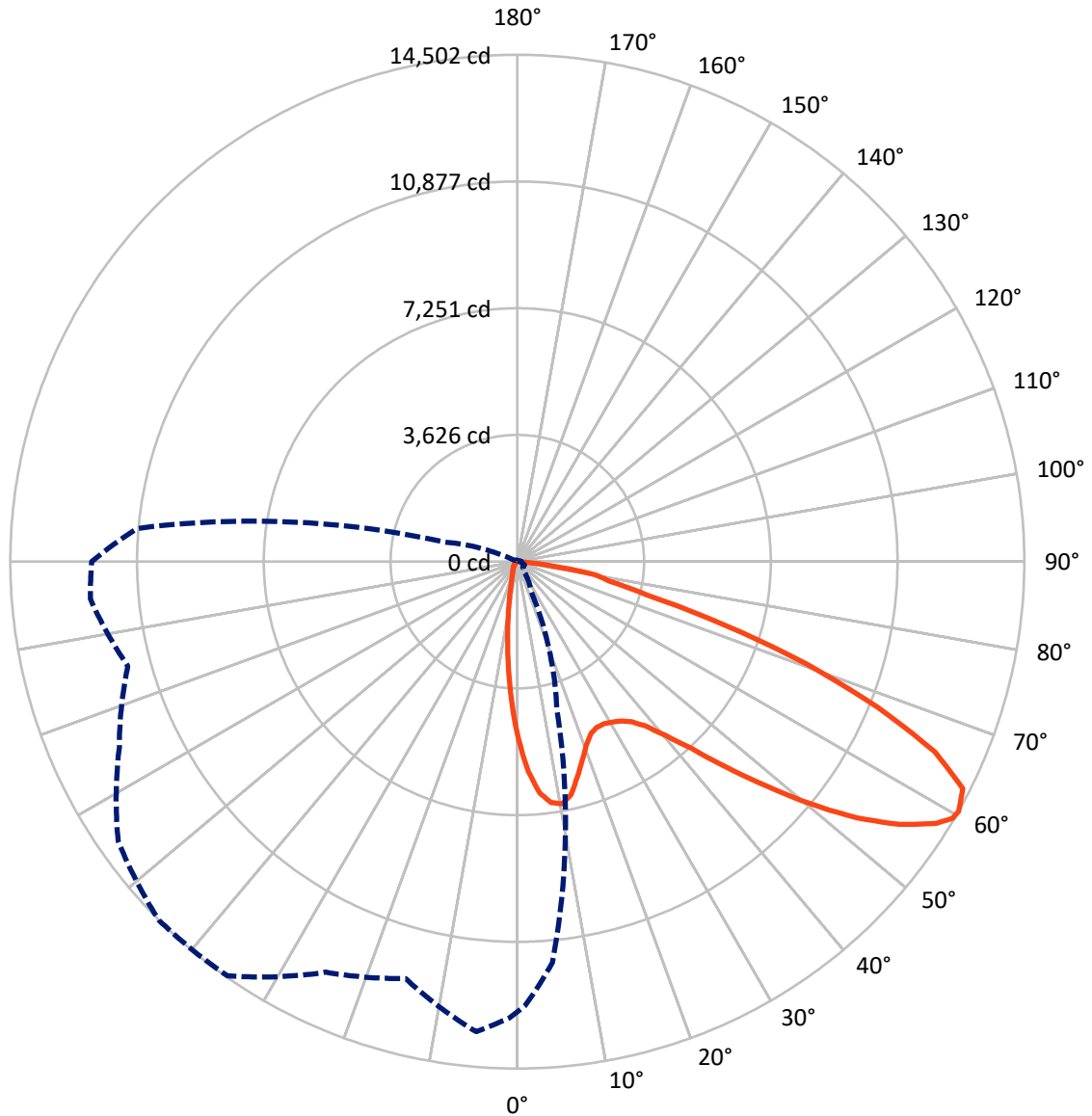
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1905.5	0.0	1905.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	13543.5	0.0	13543.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	15449.0	0.0	15449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.8	2.5
10°-20°	754.2	4.9
20°-30°	1105.9	7.2
30°-40°	1644.7	10.6
40°-50°	2393.5	15.5
50°-60°	3451.7	22.3
60°-70°	3796.5	24.6
70°-80°	1700.5	11.0
80°-90°	222.2	1.4
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°	15449.0	100.0
0°-180°	15449.0	100.0

Coefficient of Utilization



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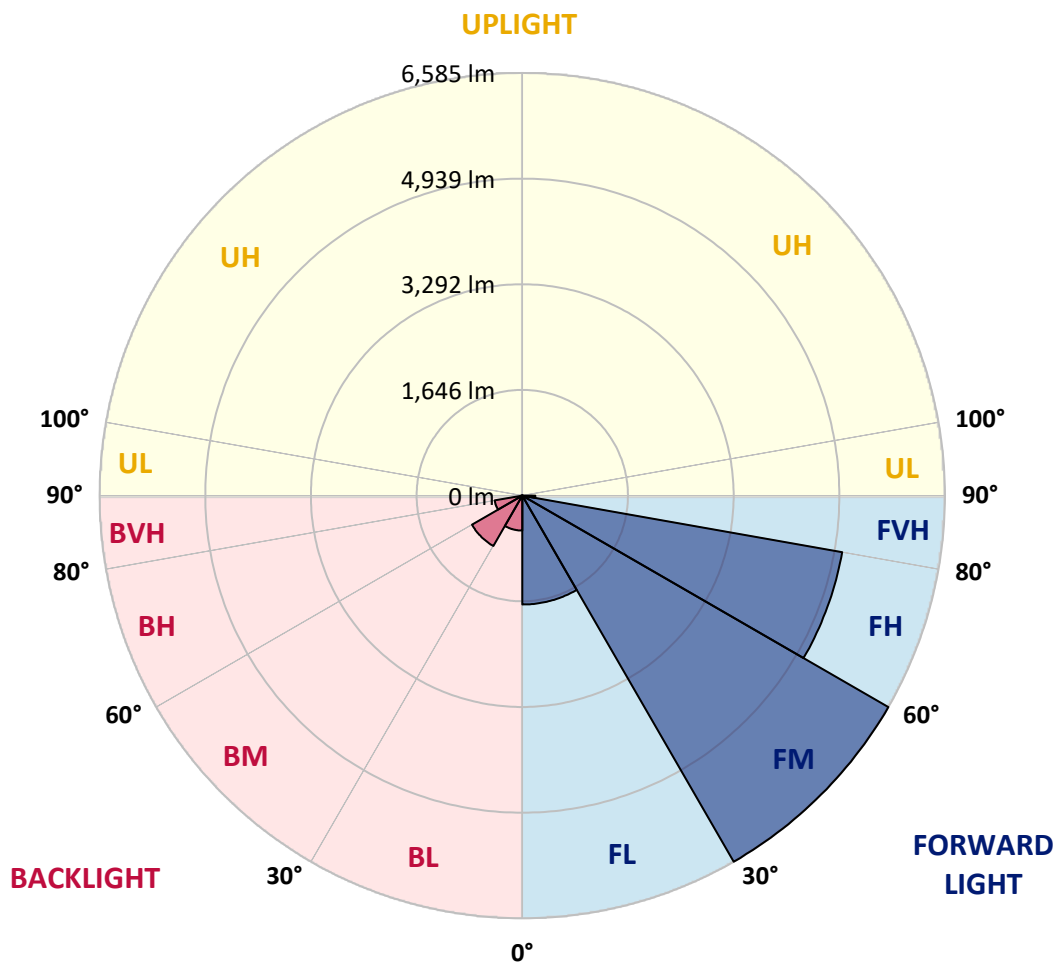
CATALOG NUMBER: GLAN-SA3D-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.5	11.0			
FM (30°-60°)	6584.8	42.6			
FH (60°-80°)	5060.0	32.8			G3/7500
FVH (80°-90°)	203.2	1.3			G2/225
BL (0°-30°)	544.5	3.5	B2/1000		
BM (30°-60°)	905.1	5.9	B1/1000		
BH (60°-80°)	437.0	2.8	B1/500		G1/500
BVH (80°-90°)	19.0	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1
2.5°	5613.4	5588.8	5532.4	5361.0	5211.8	5016.9	4819.6	4664.6	4569.4	4394.5	4314.6
5°	5438.5	5450.2	5287.0	4934.7	4542.4	4274.7	3982.3	3749.7	3493.7	3331.7	3161.4
7.5°	4981.6	4958.1	4780.8	4289.9	3813.1	3425.6	3055.7	2755.0	2566.0	2414.5	2287.7
10°	4590.6	4573.0	4346.3	3714.5	3202.5	2912.4	2662.3	2399.2	2196.1	1974.1	1796.8
12.5°	4345.1	4305.2	4044.5	3384.5	2967.6	2697.5	2425.1	2151.4	1870.8	1646.5	1431.5
15°	4262.9	4205.4	3915.3	3270.6	2817.3	2474.4	2132.6	1817.9	1495.0	1247.2	1085.1
17.5°	4412.1	4316.9	4008.1	3250.6	2637.6	2183.1	1762.7	1352.9	1017.0	827.9	728.1
20°	4753.8	4644.6	4243.0	3230.7	2438.0	1856.7	1339.9	955.9	703.4	600.1	544.9
22.5°	5261.1	5110.8	4590.6	3262.4	2253.6	1538.4	967.7	675.3	559.0	494.4	455.7
25°	5870.6	5745.0	5031.0	3375.1	2108.0	1288.3	748.1	551.9	470.9	431.0	401.6
27.5°	6538.8	6338.0	5600.5	3510.2	1975.3	1094.5	656.5	493.2	419.2	382.8	367.6
30°	7014.4	6858.3	6077.3	3604.1	1809.7	948.9	600.1	486.2	420.4	377.0	348.8
32.5°	7484.2	7284.6	6476.6	3647.6	1688.7	847.9	519.1	423.9	368.7	346.4	318.3
35°	7986.8	7777.8	6874.7	3624.1	1598.3	780.9	470.9	378.1	315.9	278.3	250.1
37.5°	8495.3	8274.5	7270.5	3539.5	1541.9	753.9	433.3	359.4	298.3	259.5	229.0
40°	9098.9	8804.2	7641.6	3470.2	1483.2	739.8	408.7	347.6	285.4	244.3	213.7
42.5°	9592.2	9311.5	7992.7	3433.8	1443.3	707.0	408.7	338.2	277.1	231.3	199.6
45°	10059.6	9768.3	8372.0	3463.2	1426.8	665.9	413.4	337.0	271.3	222.0	190.2
47.5°	10450.6	10198.1	8761.9	3573.6	1405.7	621.2	388.7	353.5	267.8	213.7	180.9
50°	10912.1	10667.9	9277.4	3796.7	1368.1	576.6	358.2	380.5	266.6	206.7	172.6
52.5°	11562.7	11298.5	9989.1	4050.4	1308.2	508.5	330.0	377.0	261.9	194.9	164.4
55°	12357.8	12144.1	10813.5	4354.5	1226.0	432.2	285.4	334.7	247.8	175.0	150.3
57.5°	12867.5	12685.4	11431.2	4486.1	1100.4	353.5	251.3	280.7	226.7	156.2	133.9
59°	12927.3	12762.9	11560.4	4442.6	1018.2	322.9	234.9	240.7	220.8	145.6	124.5
60°	12876.9	12706.6	11508.7	4358.0	941.8	301.8	220.8	213.7	222.0	139.7	117.4
62.5°	12552.7	12261.5	11007.3	3929.4	823.2	277.1	196.1	175.0	196.1	125.7	104.5
65°	11926.8	11489.9	10014.9	3325.8	776.3	263.1	166.8	146.8	149.1	110.4	90.4
67.5°	10833.5	10282.7	8693.8	2702.2	756.3	264.2	140.9	131.5	115.1	93.9	79.9
70°	9104.8	8555.2	6975.7	2223.1	746.9	264.2	119.8	112.7	96.3	78.7	69.3
72.5°	6451.9	5860.1	4705.7	1746.3	672.9	263.1	102.2	102.2	78.7	65.8	56.4
75°	3645.2	3649.9	2958.2	1235.4	559.0	217.3	82.2	81.0	57.5	50.5	42.3
77.5°	2124.4	2086.8	1994.1	530.8	259.5	98.6	57.5	49.3	39.9	36.4	30.5
80°	1092.2	898.4	874.9	192.6	92.8	62.2	39.9	28.2	25.8	23.5	21.1
82.5°	322.9	324.1	288.9	77.5	51.7	41.1	20.0	15.3	14.1	12.9	12.9
85°	22.3	14.1	16.4	23.5	31.7	16.4	1.2	3.5	3.5	4.7	5.9
87.5°	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1
2.5°	4226.5	4278.2	4181.9	4184.2	4104.4	4130.2	4036.3	4066.8	4011.6	4053.9	4178.4
5°	3180.2	3191.9	3114.4	3089.7	3101.5	3149.6	3168.4	3082.7	3119.1	3047.5	3042.8
7.5°	2240.7	2254.8	2210.1	2204.3	2288.8	2268.9	2305.3	2217.2	2133.8	2170.2	2103.3
10°	1740.4	1681.7	1590.1	1564.2	1547.8	1558.4	1558.4	1478.5	1466.8	1435.1	1483.2
12.5°	1374.0	1302.4	1215.5	1098.0	1068.7	1066.3	1022.9	952.4	930.1	903.1	943.0
15°	998.2	968.8	896.0	830.3	763.3	750.4	680.0	622.4	546.1	535.5	532.0
17.5°	702.3	658.8	657.6	620.1	581.3	555.5	489.7	423.9	394.6	391.1	391.1
20°	526.1	510.8	486.2	481.5	469.7	440.4	381.7	346.4	332.3	333.5	338.2
22.5°	442.7	432.2	409.9	399.3	394.6	368.7	325.3	301.8	294.8	294.8	295.9
25°	395.8	386.4	361.7	345.3	339.4	320.6	286.5	268.9	263.1	263.1	263.1
27.5°	360.5	348.8	322.9	308.9	298.3	277.1	256.0	238.4	232.5	232.5	233.7
30°	335.9	322.9	299.5	280.7	264.2	245.4	227.8	212.6	205.5	204.3	205.5
32.5°	303.0	291.2	267.8	256.0	237.2	214.9	200.8	186.7	179.7	180.9	179.7
35°	236.0	232.5	216.1	219.6	209.0	190.2	177.3	162.1	153.8	152.7	155.0
37.5°	214.9	200.8	182.0	183.2	179.7	172.6	151.5	135.1	129.2	129.2	130.4
40°	198.5	184.4	163.2	152.7	153.8	153.8	131.5	113.9	108.0	106.9	109.2
42.5°	184.4	170.3	146.8	129.2	124.5	130.4	111.6	93.9	88.1	85.7	88.1
45°	175.0	159.7	132.7	112.7	98.6	105.7	91.6	77.5	70.5	70.5	69.3
47.5°	165.6	151.5	122.1	97.5	82.2	78.7	75.2	62.2	55.2	54.0	55.2
50°	157.4	143.3	110.4	84.6	69.3	61.1	61.1	49.3	44.6	42.3	43.5
52.5°	149.1	133.9	99.8	75.2	59.9	49.3	43.5	39.9	36.4	35.2	36.4
55°	137.4	122.1	89.3	64.6	51.7	41.1	34.1	32.9	30.5	28.2	30.5
57.5°	123.3	109.2	78.7	55.2	41.1	31.7	28.2	27.0	24.7	23.5	23.5
59°	115.1	102.2	72.8	48.1	36.4	28.2	25.8	24.7	22.3	20.0	21.1
60°	110.4	99.8	69.3	44.6	32.9	25.8	23.5	22.3	20.0	18.8	20.0
62.5°	97.5	89.3	61.1	36.4	25.8	18.8	16.4	17.6	16.4	15.3	16.4
65°	85.7	78.7	51.7	28.2	20.0	12.9	11.7	15.3	14.1	12.9	14.1
67.5°	76.3	68.1	43.5	21.1	14.1	7.0	8.2	12.9	12.9	11.7	12.9
70°	65.8	58.7	35.2	15.3	7.0	3.5	5.9	9.4	11.7	10.6	11.7
72.5°	54.0	45.8	27.0	10.6	3.5	0.0	3.5	8.2	11.7	10.6	11.7
75°	42.3	34.1	20.0	5.9	0.0	0.0	1.2	7.0	11.7	10.6	11.7
77.5°	30.5	24.7	11.7	1.2	0.0	0.0	1.2	7.0	11.7	10.6	11.7
80°	20.0	17.6	4.7	0.0	0.0	0.0	1.2	7.0	11.7	11.7	12.9
82.5°	12.9	9.4	0.0	0.0	0.0	0.0	2.3	9.4	12.9	14.1	14.1
85°	5.9	0.0	0.0	0.0	0.0	0.0	4.7	11.7	15.3	15.3	15.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	8.2	14.1	17.6	17.6	17.6
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°	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1
2.5°	4199.5	4273.5	4378.0	4538.9	4669.3	4874.8	5032.1	5247.0	5464.3	5530.1	5632.2
5°	3090.9	3186.0	3423.3	3639.3	3775.6	4210.1	4484.9	4918.2	5306.9	5493.7	5696.8
7.5°	2146.7	2259.5	2440.3	2742.1	3028.7	3382.2	3826.1	4321.6	4891.2	5157.8	5444.3
10°	1506.7	1647.6	1902.5	2150.3	2510.8	2846.6	3284.7	3831.9	4460.2	4774.9	5134.3
12.5°	951.2	1076.9	1413.9	1692.3	2142.0	2531.9	2935.9	3431.5	4159.6	4482.5	4859.5
15°	543.7	649.4	806.8	1163.8	1662.9	2178.4	2682.2	3257.7	4005.7	4403.8	4811.4
17.5°	405.2	433.3	503.8	705.8	1160.3	1762.7	2448.5	3204.8	4110.3	4577.7	5042.7
20°	340.6	359.4	392.2	472.1	739.8	1357.6	2220.7	3214.2	4448.5	5035.7	5477.2
22.5°	305.3	317.1	344.1	395.8	505.0	988.8	1954.1	3269.4	4858.3	5598.2	6107.8
25°	267.8	283.0	306.5	351.1	420.4	685.8	1691.1	3392.7	5432.6	6312.2	6791.3
27.5°	238.4	252.5	276.0	317.1	368.7	523.8	1384.6	3498.4	6038.6	7030.9	7423.1
30°	209.0	223.1	246.6	279.5	326.5	423.9	1054.6	3560.7	6626.9	7569.9	7871.7
32.5°	184.4	196.1	218.4	247.8	286.5	359.4	831.4	3496.1	7076.7	8059.6	8261.6
35°	159.7	173.8	192.6	219.6	253.7	306.5	691.7	3272.9	7463.1	8563.4	8636.2
37.5°	133.9	150.3	170.3	194.9	222.0	281.8	555.5	3026.3	7876.4	9191.7	9071.9
40°	112.7	128.0	146.8	173.8	198.5	258.4	427.5	2763.3	8322.7	9781.2	9547.5
42.5°	91.6	108.0	130.4	155.0	196.1	225.5	331.2	2490.8	8723.1	10294.4	9977.4
45°	72.8	86.9	110.4	142.1	194.9	193.8	256.0	2221.9	9025.0	10660.8	10298.0
47.5°	57.5	69.3	92.8	138.6	179.7	164.4	205.5	2055.1	9342.0	10990.8	10543.4
50°	45.8	57.5	79.9	144.4	157.4	140.9	172.6	2082.1	9648.5	11158.8	10644.4
52.5°	38.8	50.5	69.3	113.9	121.0	123.3	151.5	2206.6	10044.3	11338.4	10845.2
55°	34.1	44.6	58.7	79.9	93.9	110.4	138.6	2297.0	10573.9	11723.6	11287.9
57.5°	27.0	38.8	52.8	68.1	77.5	96.3	128.0	2304.1	11053.1	12218.0	11876.3
59°	24.7	35.2	49.3	64.6	69.3	86.9	121.0	2244.2	11070.7	12292.0	12146.4
60°	22.3	34.1	47.0	59.9	65.8	82.2	115.1	2174.9	10911.0	12174.6	12258.0
62.5°	18.8	29.4	41.1	48.1	56.4	68.1	99.8	1923.6	10137.1	11642.6	12051.3
65°	16.4	25.8	35.2	39.9	47.0	58.7	88.1	1539.6	9282.1	10921.5	11459.4
67.5°	15.3	23.5	30.5	34.1	41.1	54.0	78.7	1087.5	8174.7	10006.7	10570.4
70°	14.1	22.3	27.0	31.7	36.4	45.8	66.9	634.2	6296.9	8402.5	8997.9
72.5°	14.1	21.1	23.5	27.0	31.7	41.1	62.2	342.9	4305.2	6409.7	7178.9
75°	14.1	20.0	21.1	23.5	28.2	37.6	55.2	179.7	2783.2	4453.2	5496.0
77.5°	14.1	18.8	21.1	22.3	27.0	32.9	48.1	112.7	1854.3	3119.1	3714.5
80°	15.3	18.8	20.0	22.3	25.8	30.5	39.9	75.2	1089.8	1876.6	2260.6
82.5°	16.4	18.8	21.1	23.5	27.0	29.4	35.2	47.0	502.6	1241.3	1404.5
85°	17.6	20.0	22.3	24.7	28.2	29.4	32.9	34.1	82.2	560.2	757.5
87.5°	18.8	21.1	23.5	25.8	30.5	30.5	30.5	30.5	28.2	59.9	152.7
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: GLAN-SA3D-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1	5106.1
2.5°	5761.4	5894.1	5986.9	6010.4	5943.4	5912.9	5828.3	5696.8	5617.0	5613.4
5°	6071.4	6382.6	6598.7	6635.1	6506.0	6287.5	6028.0	5693.3	5497.2	5438.5
7.5°	6018.6	6563.5	6911.1	6961.6	6744.3	6327.4	5824.8	5285.8	5072.1	4981.6
10°	5801.3	6466.0	6962.8	7042.6	6752.6	6165.4	5526.5	4925.3	4659.9	4590.6
12.5°	5615.8	6287.5	6729.1	6839.5	6619.9	6033.9	5348.0	4693.9	4409.7	4345.1
15°	5534.8	6076.1	6346.2	6402.6	6366.2	5951.7	5329.2	4658.7	4333.4	4262.9
17.5°	5615.8	5896.5	5930.5	5988.1	6069.1	5943.4	5510.1	4850.1	4499.0	4412.1
20°	5828.3	5740.3	5599.3	5624.0	5809.6	5977.5	5831.9	5274.0	4846.6	4753.8
22.5°	6190.0	5701.5	5382.1	5361.0	5595.8	6091.4	6304.0	5848.3	5352.7	5261.1
25°	6634.0	5799.0	5302.2	5256.4	5512.4	6258.2	6817.2	6551.8	6010.4	5870.6
27.5°	7117.8	6001.0	5302.2	5257.6	5505.4	6406.1	7256.4	7174.2	6691.5	6538.8
30°	7383.2	6167.7	5378.6	5328.1	5592.3	6491.9	7491.2	7727.3	7203.5	7014.4
32.5°	7620.4	6399.1	5527.7	5432.6	5774.3	6618.7	7701.4	8197.0	7611.0	7484.2
35°	7838.8	6646.9	5733.2	5622.8	6013.9	6792.5	7934.0	8690.3	8178.2	7986.8
37.5°	8079.6	6934.6	6053.8	5959.9	6414.4	7130.7	8209.9	9338.5	8736.1	8495.3
40°	8341.5	7268.1	6581.1	6541.2	7050.9	7513.6	8558.7	10030.2	9372.6	9098.9
42.5°	8608.1	7652.1	7227.0	7292.8	7771.9	8050.2	8916.9	10562.2	9894.0	9592.2
45°	8850.0	8143.0	8066.7	8392.0	8612.8	8574.0	9182.3	10936.8	10348.5	10059.6
47.5°	9155.3	8858.2	9082.5	9583.9	9589.8	9143.6	9383.1	11243.3	10739.5	10450.6
50°	9497.0	9702.6	10394.3	10905.1	10767.7	9703.7	9618.0	11606.2	11143.5	10912.1
52.5°	9892.8	10647.9	11606.2	12173.4	11852.8	10314.4	10009.1	11998.4	11784.7	11562.7
55°	10353.2	11292.6	12814.6	13266.7	12943.8	11073.0	10603.3	12530.4	12509.3	12357.8
57.5°	10873.4	11973.8	13514.5	14126.4	13838.7	11963.2	11433.6	13031.9	12952.0	12867.5
59°	11284.4	12323.7	13823.4	14457.5	14283.7	12586.8	11991.4	13344.2	13054.2	12927.3
60°	11533.4	12560.9	13937.3	14502.2	14462.2	12957.9	12344.9	13496.9	13053.0	12876.9
62.5°	12272.1	12975.5	13893.8	14303.7	14459.9	13669.5	13381.8	13664.8	12811.1	12552.7
65°	12535.1	12838.1	13174.0	13123.5	13257.3	13633.1	14044.2	13480.5	12294.4	11926.8
67.5°	12023.1	11331.4	11450.0	11113.0	11047.2	12120.6	13775.2	12578.6	11283.2	10833.5
70°	10134.7	8680.9	8621.0	8776.0	8350.9	9812.9	12369.5	10841.7	9614.5	9104.8
72.5°	7977.4	6134.9	5629.9	6200.6	6187.7	7486.5	10275.6	7693.2	6495.4	6451.9
75°	6273.4	4271.1	3748.6	3841.3	4019.8	5419.7	8184.1	4885.3	3999.9	3645.2
77.5°	4211.3	3026.3	2823.2	2709.2	2901.8	3479.6	5177.8	2649.4	2243.0	2124.4
80°	2427.4	2198.4	2496.7	2266.5	2369.9	2192.5	2575.4	1215.5	1008.8	1092.2
82.5°	1579.5	1251.9	1334.1	991.2	1355.2	1367.0	826.7	359.4	304.2	322.9
85°	987.6	587.2	330.0	234.9	467.4	859.6	258.4	22.3	25.8	22.3
87.5°	256.0	97.5	41.1	61.1	75.2	66.9	59.9	3.5	1.2	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)