

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: P450927

Luminaire Tested: **GLAN-SA1D-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 65
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



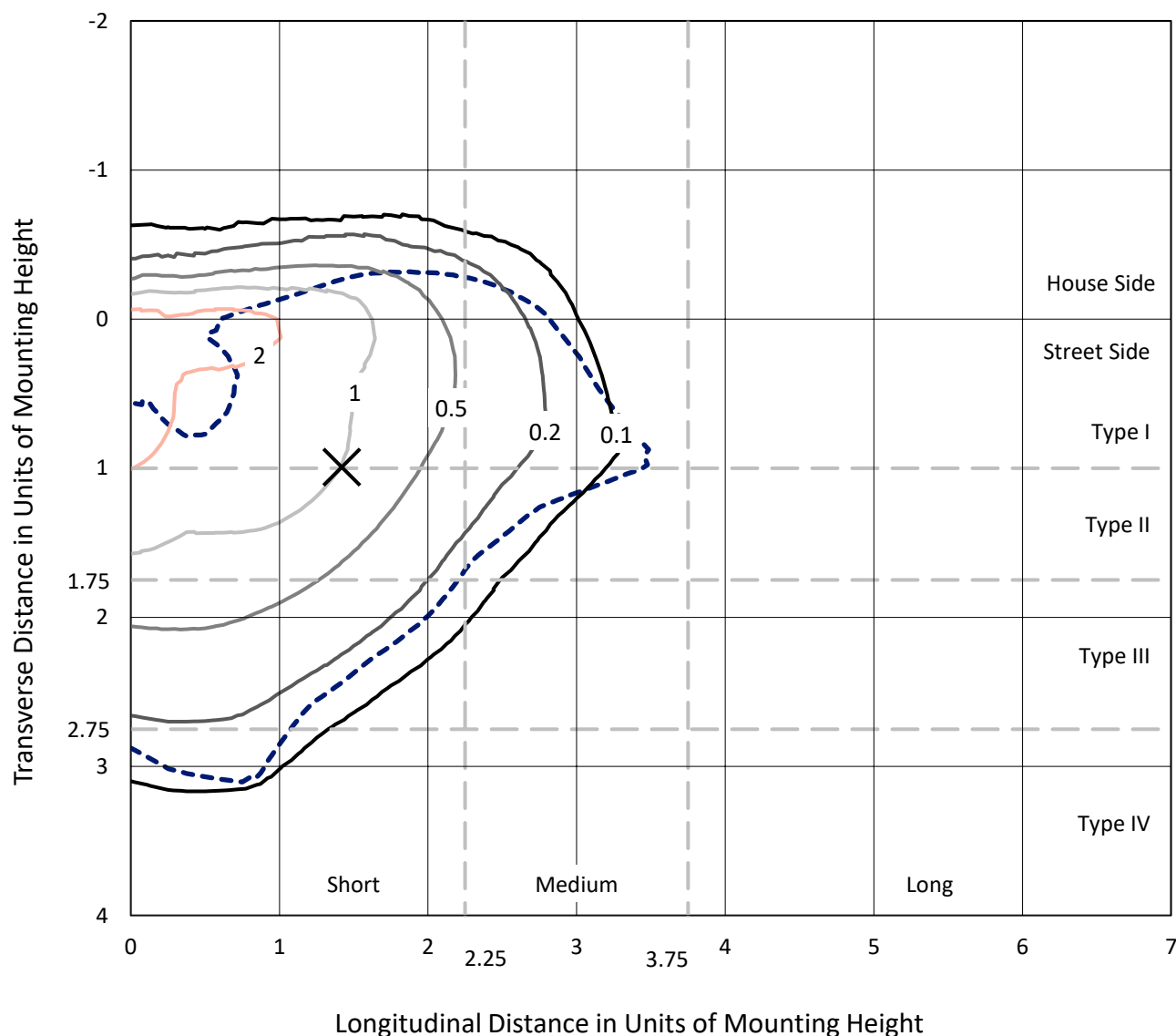
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

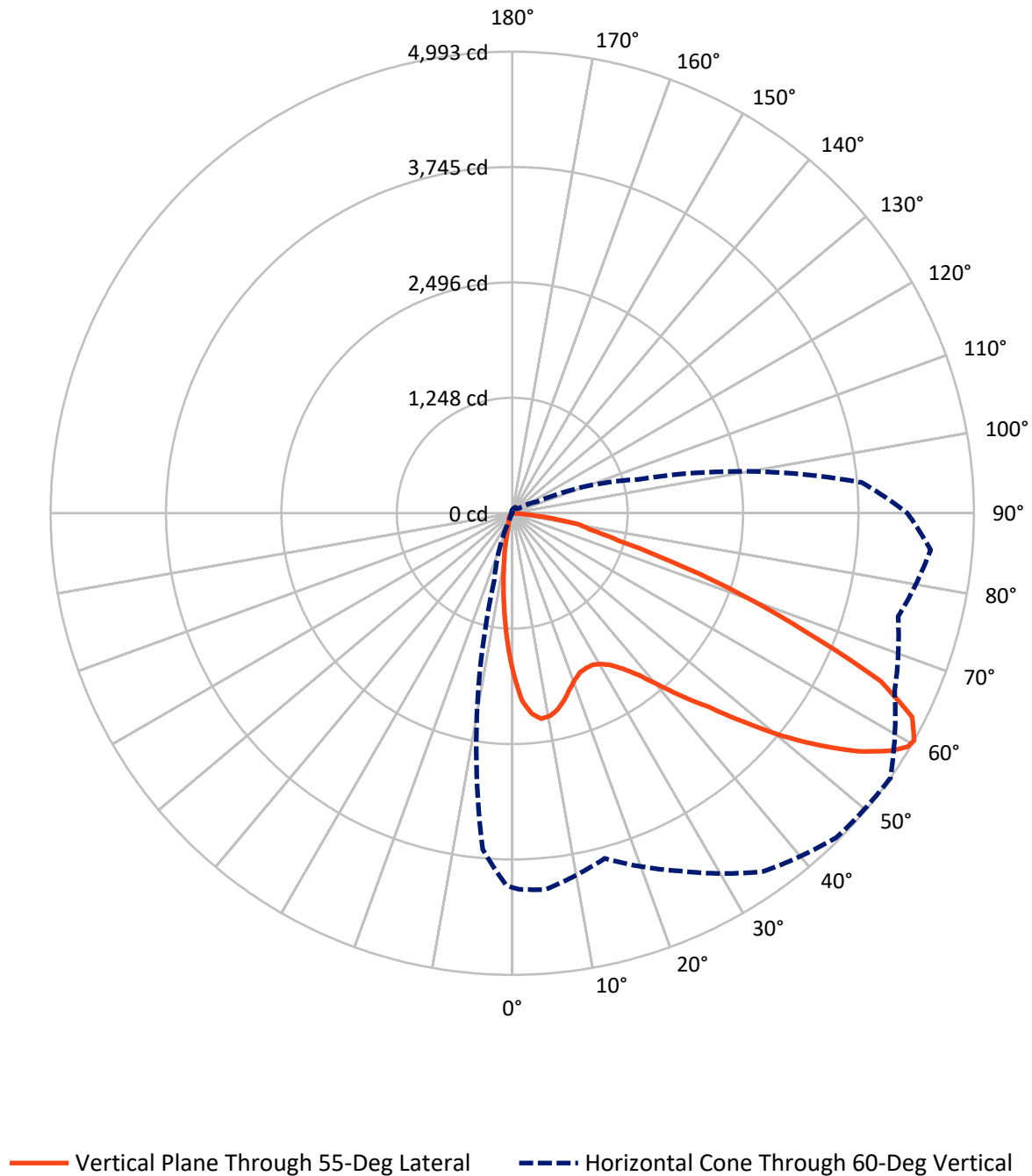


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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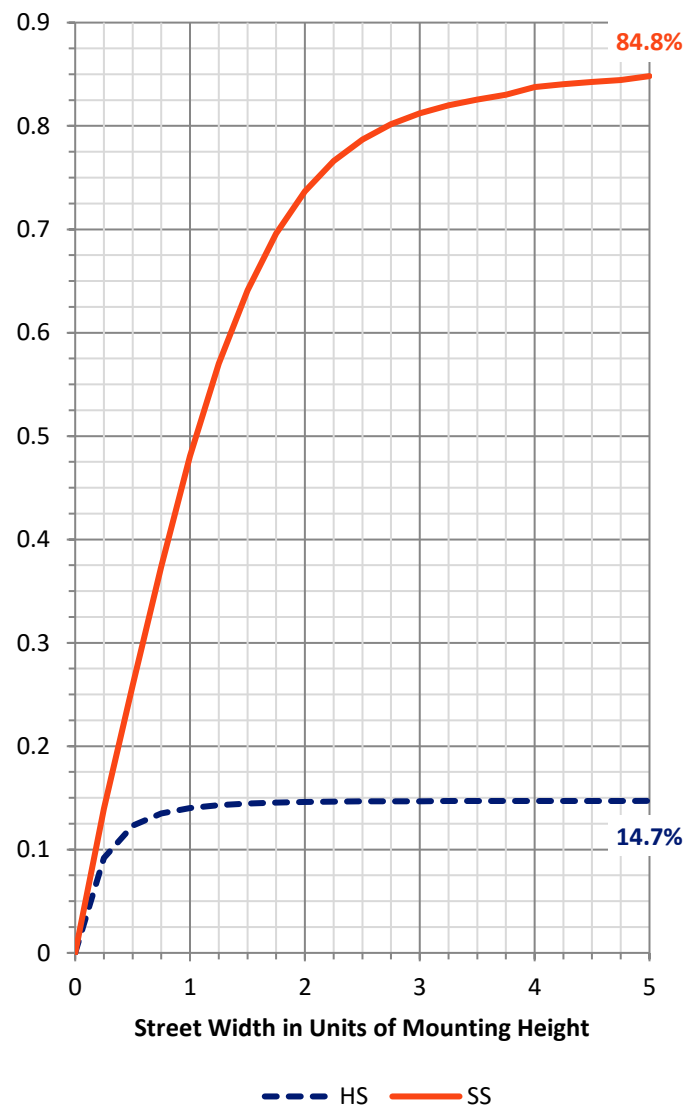
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	759.9	0.0	759.9
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	4360.2	0.0	4360.2
	% Fixture	85.2	0.0	85.2
Total	Lumens	5120.0	0.0	5120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	2.5
10°-20°	252.8	4.9
20°-30°	374.2	7.3
30°-40°	557.8	10.9
40°-50°	816.9	16.0
50°-60°	1179.3	23.0
60°-70°	1240.6	24.2
70°-80°	510.3	10.0
80°-90°	59.8	1.2
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°	5120.0	100.0
0°-180°	5120.0	100.0

Coefficient of Utilization



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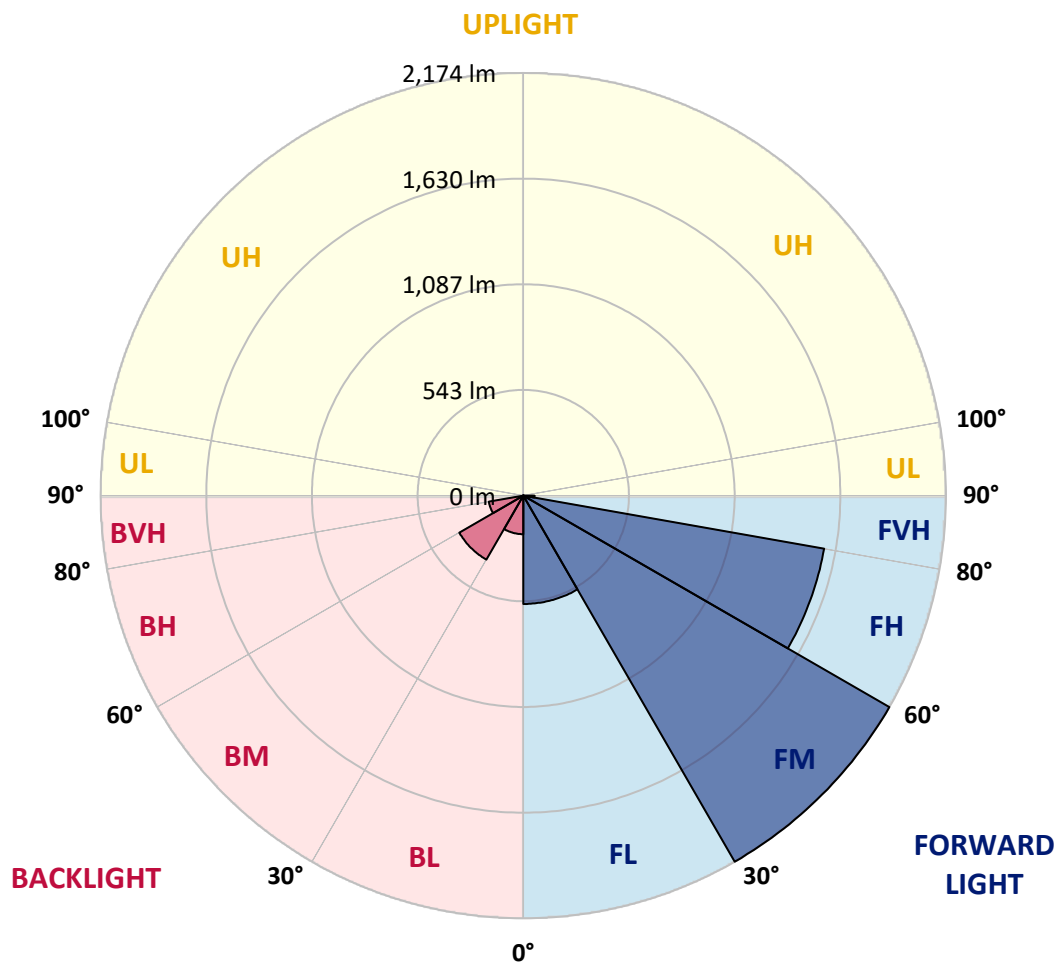
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	557.1	10.9			
FM	(30°-60°)	2174.0	42.5			
FH	(60°-80°)	1571.1	30.7			G1/1800
FVH	(80°-90°)	58.0	1.1			G1/100
BL	(0°-30°)	198.2	3.9	B1/500		
BM	(30°-60°)	380.0	7.4	B1/1000		
BH	(60°-80°)	179.9	3.5	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6
2.5°	1894.0	1890.9	1918.8	1964.6	2010.7	2034.7	2030.0	2028.0	1989.8	1961.8	1903.1
5°	1890.1	1906.2	1956.3	2080.0	2173.8	2219.1	2232.5	2176.2	2101.7	1993.7	1860.5
7.5°	1777.0	1797.1	1878.6	2072.1	2238.8	2337.4	2333.8	2243.6	2089.9	1922.8	1732.8
10°	1636.7	1660.3	1756.1	1991.0	2207.3	2337.4	2344.5	2230.2	2039.0	1824.7	1624.8
12.5°	1537.8	1565.7	1671.7	1915.3	2126.1	2254.2	2262.5	2179.7	2000.8	1786.8	1566.1
15°	1504.3	1530.7	1638.2	1877.1	2039.8	2108.8	2106.8	2098.2	1985.8	1795.9	1569.3
17.5°	1561.8	1583.5	1704.8	1894.4	1959.0	1951.9	1962.2	2004.0	1989.0	1871.9	1668.6
20°	1710.4	1732.4	1862.9	1947.6	1897.2	1852.2	1857.0	1926.7	2018.2	2015.0	1823.9
22.5°	1914.9	1952.3	2070.6	2050.9	1888.9	1790.4	1780.5	1871.2	2067.8	2179.7	2033.5
25°	2173.8	2211.7	2303.9	2215.6	1929.5	1775.8	1766.7	1854.2	2128.1	2340.5	2269.6
27.5°	2391.4	2420.1	2512.0	2376.0	1989.4	1782.1	1767.1	1856.6	2177.0	2477.3	2468.6
30°	2565.5	2586.8	2640.8	2450.9	2041.0	1809.7	1792.3	1891.3	2198.6	2543.9	2629.8
32.5°	2705.8	2741.7	2758.7	2530.9	2115.1	1861.7	1832.1	1957.9	2251.5	2626.2	2798.9
35°	2866.2	2907.6	2885.9	2607.3	2212.8	1942.9	1906.6	2065.8	2331.5	2702.3	2995.1
37.5°	3069.6	3117.3	3032.6	2687.7	2316.1	2065.1	2048.1	2217.6	2452.8	2811.1	3205.6
40°	3280.0	3307.6	3174.8	2785.5	2443.0	2242.8	2258.9	2443.0	2611.7	2941.5	3429.4
42.5°	3444.4	3470.4	3321.0	2867.4	2572.6	2453.6	2521.0	2714.9	2793.7	3075.1	3596.5
45°	3570.1	3592.2	3422.3	2956.9	2747.6	2759.0	2886.3	2995.1	2976.2	3156.7	3725.4
47.5°	3667.8	3686.7	3500.3	3053.0	3009.7	3132.7	3327.3	3373.4	3165.4	3245.0	3842.0
50°	3708.0	3713.5	3524.8	3175.6	3307.2	3608.7	3811.7	3783.7	3382.1	3343.1	3966.2
52.5°	3760.4	3759.3	3594.5	3292.3	3587.0	4034.3	4236.9	4173.5	3627.2	3490.1	4105.7
55°	3898.0	3899.6	3743.9	3457.8	3825.5	4378.0	4594.7	4548.6	3885.8	3738.4	4268.4
57.5°	4065.1	4071.0	3956.3	3651.3	4053.3	4627.1	4861.9	4844.2	4235.3	4014.6	4422.1
59°	4086.8	4098.6	4056.8	3787.6	4188.4	4703.5	4953.4	4970.7	4422.5	4196.7	4505.3
60°	4047.3	4067.0	4086.0	3864.9	4267.6	4731.1	4958.9	4992.8	4563.2	4320.4	4543.1
62.5°	3875.5	3906.7	4001.6	4102.5	4366.6	4645.2	4782.7	4853.7	4737.4	4645.6	4546.7
65°	3650.5	3666.6	3803.8	4144.7	4174.6	4244.0	4286.6	4377.6	4528.1	4770.9	4383.9
67.5°	3281.6	3329.3	3497.2	3900.0	3608.3	3526.3	3515.7	3425.1	3816.0	4472.2	3982.7
70°	2711.0	2732.3	2939.2	3197.3	2723.2	2597.1	2647.5	2613.6	2958.1	3849.9	3205.6
72.5°	2050.1	2098.2	2300.3	2548.6	1853.0	1689.5	1828.6	1816.0	2221.9	3094.0	2202.2
75°	1458.5	1489.7	1747.4	1994.5	1297.8	1099.5	1149.6	1196.5	1551.2	2443.0	1301.3
77.5°	1002.2	1029.0	1222.5	1319.0	946.6	906.8	829.6	874.9	1016.4	1449.5	708.2
80°	604.5	603.4	730.6	754.3	659.3	765.7	642.4	721.2	614.4	620.3	274.3
82.5°	392.5	388.6	446.9	487.1	366.9	385.8	258.9	373.2	400.4	173.0	86.7
85°	175.8	183.3	214.8	283.4	160.8	85.5	52.8	114.7	170.6	87.1	0.0
87.5°	18.1	14.2	37.8	69.0	22.1	2.4	7.9	3.9	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°	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6
2.5°	1875.9	1853.0	1784.9	1721.0	1666.2	1599.2	1555.9	1487.7	1446.3	1433.7	1435.7
5°	1800.6	1734.8	1605.1	1501.5	1386.0	1320.2	1220.1	1124.0	1071.9	1052.6	1044.0
7.5°	1643.0	1572.4	1416.0	1253.2	1129.5	1014.0	939.5	854.8	796.9	749.2	740.9
10°	1525.9	1433.3	1239.4	1064.4	966.7	880.0	805.5	720.8	652.6	598.2	583.3
12.5°	1455.8	1352.1	1135.8	989.2	896.6	807.5	710.6	612.4	542.7	483.9	456.8
15°	1443.2	1323.0	1106.6	935.2	820.9	713.3	584.4	478.4	406.7	351.1	334.2
17.5°	1519.2	1375.4	1102.3	878.8	722.0	569.5	435.5	347.6	266.8	235.7	223.5
20°	1654.8	1468.0	1101.9	813.4	620.3	438.6	305.8	226.6	193.9	178.9	171.8
22.5°	1839.6	1594.1	1122.8	757.1	514.7	323.6	218.3	180.5	161.6	149.4	146.6
25°	2065.4	1780.9	1174.0	718.8	433.9	253.8	180.1	154.5	138.7	133.2	130.8
27.5°	2266.0	1959.8	1230.4	679.4	376.0	224.6	167.1	141.5	128.9	124.5	121.0
30°	2439.0	2122.2	1257.6	627.4	329.5	205.7	169.5	151.3	134.8	121.8	115.9
32.5°	2583.3	2246.7	1275.3	580.1	290.1	168.3	134.0	117.0	109.6	104.8	100.9
35°	2763.8	2381.5	1264.6	553.3	270.0	153.3	122.2	100.9	88.3	78.8	74.9
37.5°	2952.9	2516.3	1246.1	531.2	260.9	142.3	116.3	95.8	82.0	72.1	67.0
40°	3148.8	2641.2	1224.4	510.7	252.6	135.2	112.7	91.4	77.6	67.0	61.5
42.5°	3328.1	2763.0	1215.8	497.3	239.2	136.4	110.0	89.5	73.3	62.3	57.5
45°	3473.1	2878.5	1227.6	490.3	224.6	134.4	110.7	87.1	69.8	59.1	54.4
47.5°	3628.0	3041.6	1265.8	483.2	210.4	124.9	116.7	86.7	68.2	57.1	52.0
50°	3808.1	3250.5	1353.3	465.8	193.1	114.7	124.1	86.3	66.2	54.8	49.7
52.5°	4048.1	3487.7	1443.6	435.5	167.9	104.8	118.6	85.1	62.3	52.0	46.9
55°	4263.7	3737.6	1520.0	399.6	136.0	90.6	106.8	80.0	55.6	47.3	42.6
57.5°	4352.8	3878.7	1517.7	350.0	108.8	79.6	87.9	73.3	48.5	41.8	37.8
59°	4320.1	3860.9	1466.8	313.3	99.3	73.7	72.9	72.5	45.3	37.8	34.7
60°	4273.9	3796.3	1412.0	295.2	93.4	69.8	67.0	71.7	42.6	35.5	32.3
62.5°	4097.4	3528.3	1230.4	264.4	85.5	59.1	53.6	60.7	37.8	30.7	28.0
65°	3841.6	3116.5	1041.6	255.8	83.2	48.9	44.5	43.4	32.3	26.0	23.6
67.5°	3342.7	2637.3	843.8	249.9	83.9	41.0	39.0	32.7	26.8	21.7	20.1
70°	2676.3	2056.4	690.8	243.2	84.7	33.5	32.7	26.0	21.7	18.1	16.6
72.5°	1626.0	1218.9	543.8	211.2	82.4	26.8	29.2	19.7	15.8	13.0	12.2
75°	1005.3	834.3	337.3	164.3	54.4	19.7	20.5	12.2	10.6	8.3	8.3
77.5°	582.5	526.9	120.6	59.1	24.0	11.8	9.1	6.3	5.9	3.5	3.5
80°	241.6	193.5	41.8	20.1	13.0	5.5	2.0	0.4	0.0	0.0	0.0
82.5°	70.5	62.7	11.4	9.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6
2.5°	1402.2	1389.2	1383.3	1403.4	1384.8	1408.5	1390.4	1398.2	1421.5	1431.7	1458.1
5°	1049.5	1036.1	1029.8	1060.1	1058.5	1073.5	1071.9	1085.7	1097.6	1071.1	1098.3
7.5°	731.0	722.0	737.0	760.6	785.8	777.5	777.5	759.0	765.3	761.4	760.2
10°	556.1	524.9	517.1	516.3	525.7	527.7	517.1	491.4	500.9	503.7	520.2
12.5°	437.4	413.4	376.8	360.2	355.9	359.4	324.3	301.9	312.5	306.2	322.4
15°	313.7	294.0	272.3	253.8	248.7	241.6	203.4	176.6	173.4	174.6	177.3
17.5°	223.8	210.4	210.4	190.7	180.1	158.8	139.5	127.7	126.5	127.7	129.7
20°	165.1	158.0	157.2	152.1	140.3	126.1	112.7	110.3	109.6	111.5	112.3
22.5°	142.3	134.8	128.5	128.1	117.0	105.2	98.9	95.8	96.2	96.9	98.9
25°	127.3	119.4	112.7	108.8	100.9	92.6	86.7	85.1	85.1	86.3	86.7
27.5°	116.7	106.8	100.9	95.4	88.3	81.2	76.1	74.9	74.1	74.9	76.8
30°	109.2	99.3	91.8	83.5	78.0	71.3	67.0	65.4	65.0	65.4	67.0
32.5°	93.4	87.5	81.6	74.1	67.4	63.1	58.3	55.6	55.6	56.4	57.9
35°	70.5	67.4	67.0	65.0	59.5	54.8	49.3	46.5	46.5	48.1	48.9
37.5°	62.3	56.4	55.6	54.8	52.4	46.1	41.0	38.6	38.2	39.4	41.0
40°	56.7	50.0	46.5	45.7	46.1	39.0	33.5	31.1	31.1	31.5	33.1
42.5°	52.4	44.5	38.2	37.4	39.0	32.7	27.2	24.8	24.8	24.8	26.8
45°	48.9	39.8	32.3	28.4	30.7	26.8	22.1	19.7	18.9	19.7	20.5
47.5°	46.5	36.3	28.4	22.9	22.9	21.3	17.7	15.0	14.2	14.6	15.8
50°	44.5	33.1	24.0	18.5	16.6	16.9	13.4	11.4	10.6	10.6	11.8
52.5°	41.4	30.0	20.9	15.8	12.6	11.4	9.9	8.3	7.9	8.3	9.1
55°	37.4	27.2	18.1	13.0	9.9	7.9	7.1	5.9	5.5	5.9	7.1
57.5°	33.1	22.9	14.6	10.2	6.7	5.1	4.7	3.9	3.2	3.5	4.3
59°	30.3	20.5	12.6	8.3	5.1	3.5	3.5	2.8	2.0	2.4	3.5
60°	29.2	18.9	10.6	7.1	4.3	2.8	2.8	2.0	1.2	1.6	2.8
62.5°	24.8	15.8	8.3	4.3	2.0	0.4	1.2	0.4	0.0	0.4	1.2
65°	20.9	12.6	5.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
67.5°	17.3	9.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	13.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	9.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	5.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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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CATALOG NUMBER: GLAN-SA1D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6	1733.6
2.5°	1459.7	1516.1	1550.8	1616.2	1683.2	1734.8	1799.4	1857.4	1881.4	1894.0
5°	1125.9	1204.4	1271.0	1370.7	1463.3	1576.0	1690.3	1825.0	1876.7	1890.1
7.5°	790.2	870.2	939.9	1055.4	1187.4	1338.3	1509.4	1680.4	1755.7	1777.0
10°	570.6	656.2	741.3	856.8	980.1	1143.7	1321.8	1533.4	1620.1	1636.7
12.5°	360.2	452.0	590.4	733.0	863.5	995.1	1181.5	1411.6	1507.4	1537.8
15°	208.9	277.4	381.9	567.9	733.8	908.0	1111.3	1365.9	1473.1	1504.3
17.5°	139.9	163.5	235.3	377.5	596.7	827.6	1093.6	1403.4	1522.0	1561.8
20°	117.8	128.5	153.7	230.2	459.5	755.9	1098.3	1505.0	1660.7	1710.4
22.5°	103.6	113.5	129.7	165.5	320.8	666.8	1120.8	1650.5	1851.5	1914.9
25°	91.4	101.3	115.5	137.1	215.6	563.9	1170.1	1863.3	2104.1	2173.8
27.5°	81.2	90.2	102.5	121.0	165.9	449.3	1213.8	2070.6	2334.6	2391.4
30°	71.7	79.2	91.0	105.2	137.9	346.4	1235.9	2251.9	2502.5	2565.5
32.5°	62.3	69.4	80.8	92.2	113.5	264.0	1220.5	2385.1	2665.6	2705.8
35°	53.2	60.7	70.1	80.8	98.1	213.2	1143.7	2534.8	2834.7	2866.2
37.5°	45.7	52.0	61.9	70.1	88.7	170.6	1050.7	2669.6	3024.3	3069.6
40°	38.6	44.9	54.8	62.3	81.6	134.4	966.7	2819.3	3224.1	3280.0
42.5°	31.5	39.0	47.7	59.9	70.1	102.5	865.0	2940.7	3374.2	3444.4
45°	25.2	33.5	43.0	59.5	61.1	78.0	766.9	3035.3	3507.0	3570.1
47.5°	20.1	28.4	41.4	55.6	50.0	61.9	710.9	3134.2	3617.4	3667.8
50°	16.2	23.6	43.4	48.9	41.8	52.4	709.4	3244.6	3674.5	3708.0
52.5°	13.0	19.3	36.7	37.4	35.5	46.1	751.9	3368.7	3732.9	3760.4
55°	11.0	16.2	24.0	27.6	31.9	41.8	783.9	3559.8	3872.0	3898.0
57.5°	8.7	13.8	18.5	22.1	28.4	38.2	788.2	3707.2	4048.1	4065.1
59°	7.5	11.8	16.6	19.7	26.0	35.9	770.5	3716.3	4059.6	4086.8
60°	6.3	10.6	14.6	18.5	24.0	33.9	751.1	3650.5	4017.0	4047.3
62.5°	4.7	8.3	10.6	15.0	19.7	29.2	659.7	3420.7	3854.2	3875.5
65°	3.2	5.9	7.9	11.0	15.4	25.2	537.5	3122.8	3602.8	3650.5
67.5°	2.0	4.3	6.3	8.3	12.6	21.3	383.1	2677.9	3250.9	3281.6
70°	1.2	2.8	4.7	6.7	9.9	16.9	227.4	2116.7	2704.7	2711.0
72.5°	0.8	2.0	3.2	4.7	7.9	15.4	110.3	1379.7	1974.8	2050.1
75°	0.4	1.2	2.0	3.5	6.3	12.6	52.8	921.8	1436.9	1458.5
77.5°	0.0	0.4	1.2	2.4	4.7	9.9	30.7	605.3	979.7	1002.2
80°	0.0	0.0	0.8	2.0	3.5	6.3	18.5	357.0	593.5	604.5
82.5°	0.0	0.0	0.4	1.6	2.4	4.7	9.5	156.8	388.6	392.5
85°	0.0	0.0	0.4	1.6	2.0	3.2	3.5	21.3	172.6	175.8
87.5°	0.0	0.0	0.4	2.0	2.0	2.0	2.0	1.2	14.6	18.1
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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