

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: P193082

Luminaire Tested: **GAN-AF-04-LED-U-SLR-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-04-LED-U-SLR-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22388.3 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 258
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: 28.75 FT

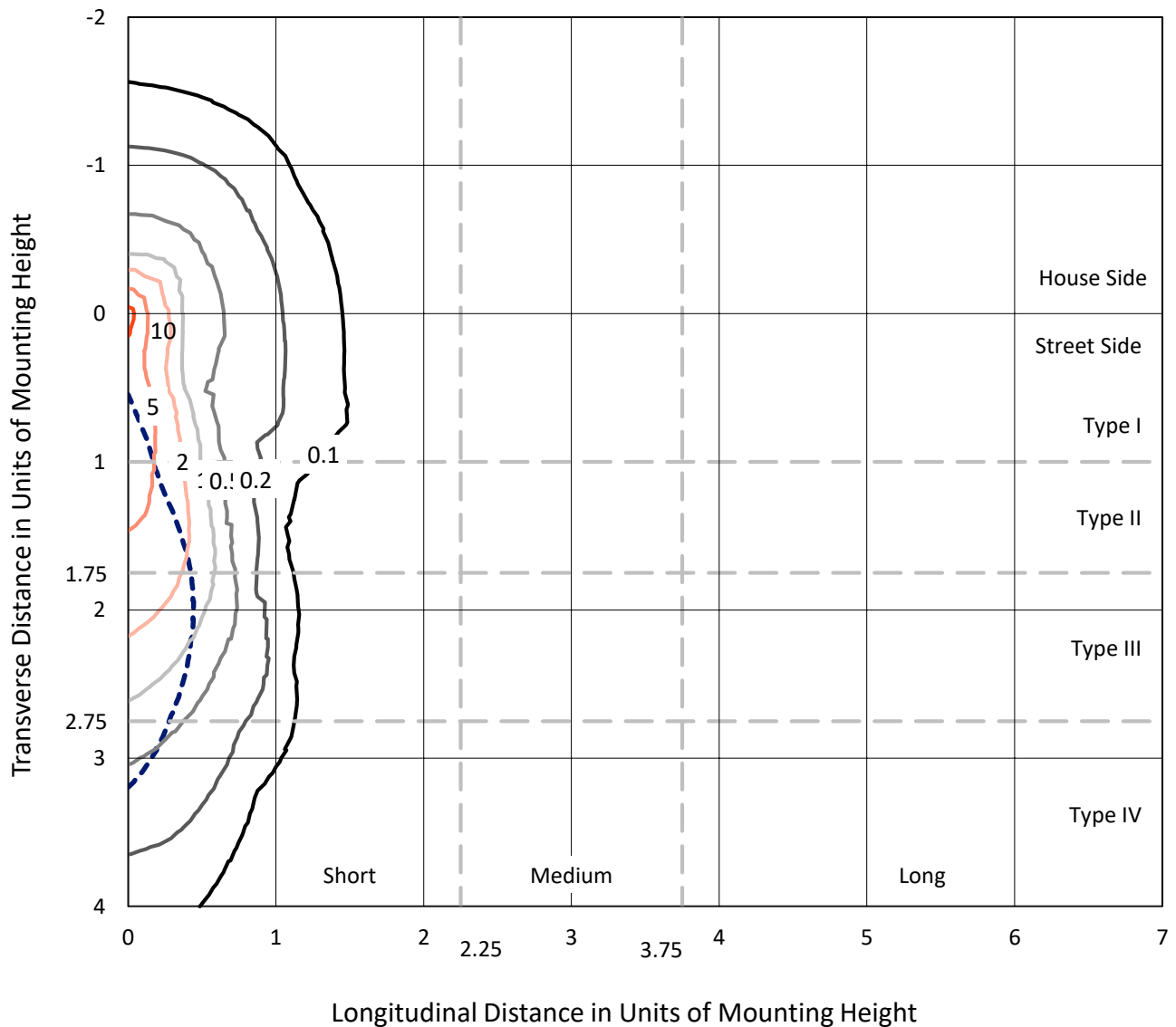


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

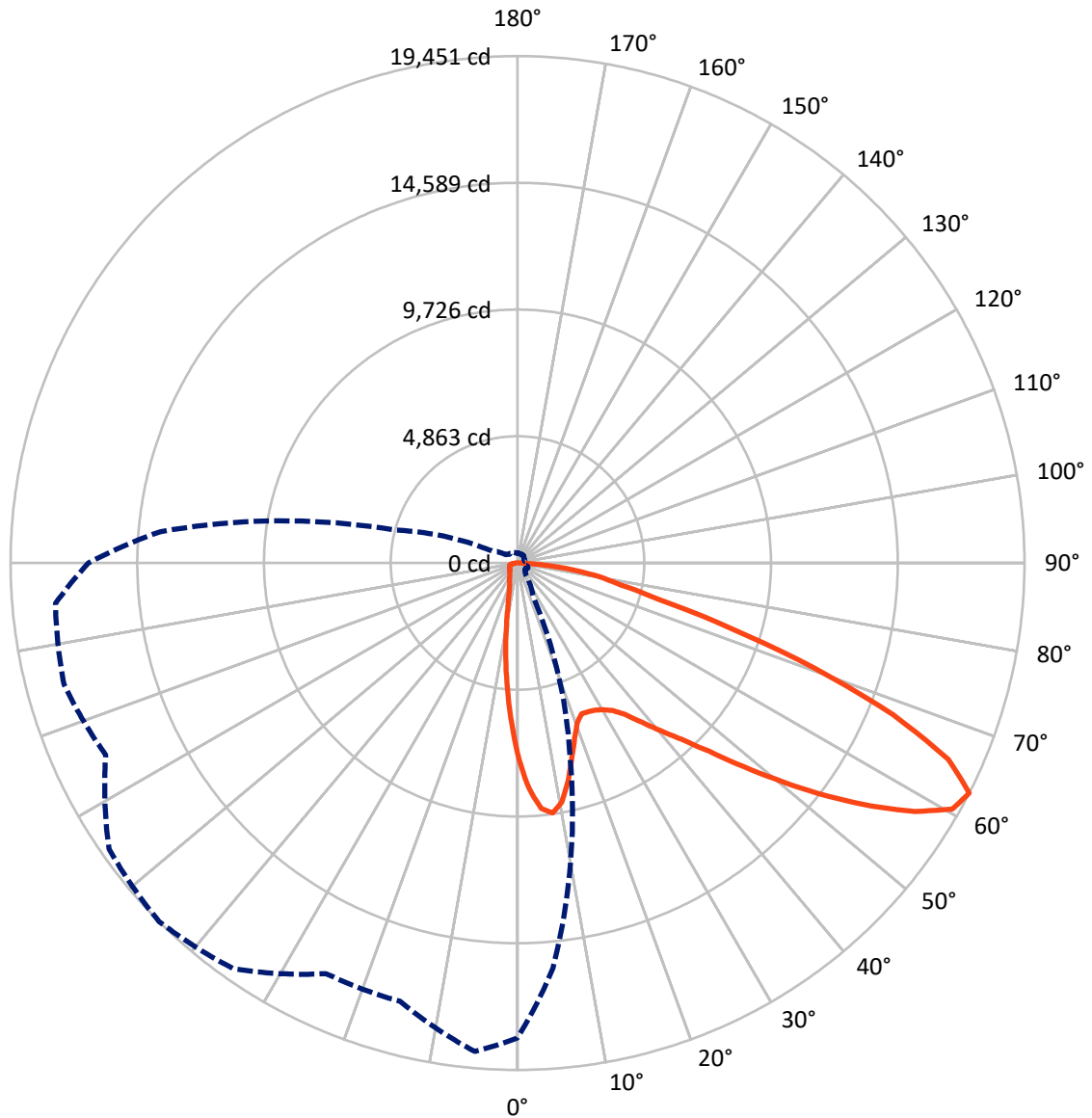


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3704.9	0.0	3704.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	18683.4	0.0	18683.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	22388.3	0.0	22388.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.6	2.5
10°-20°	1009.7	4.5
20°-30°	1472.1	6.6
30°-40°	2267.3	10.1
40°-50°	3336.9	14.9
50°-60°	4894.5	21.9
60°-70°	5471.3	24.4
70°-80°	2678.7	12.0
80°-90°	707.2	3.2
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°	22388.3	100.0
0°-180°	22388.3	100.0

Coefficient of Utilization



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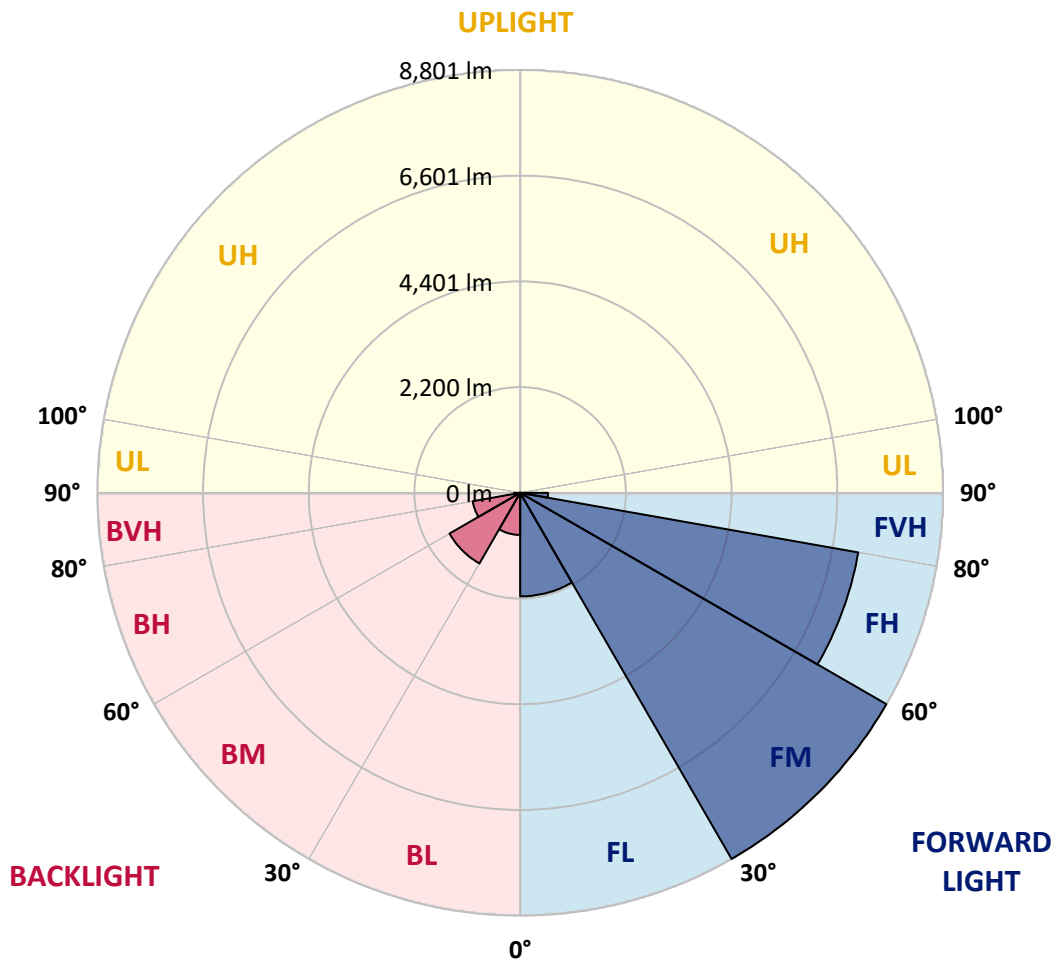
CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2155.9	9.6			
FM	(30°-60°)	8801.0	39.3			
FH	(60°-80°)	7145.6	31.9			G3/7500
FVH	(80°-90°)	580.8	2.6			G4/750
BL	(0°-30°)	876.5	3.9	B2/1000		
BM	(30°-60°)	1697.6	7.6	B2/2500		
BH	(60°-80°)	1004.4	4.5	B3/2500		G3/2500
BVH	(80°-90°)	126.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0
2.5°	7859.3	7699.4	7433.6	7156.6	6988.0	6791.1	6637.3	6501.9	6231.2	6178.2	6226.1
5°	7390.4	7069.2	6568.3	6063.8	5727.7	5367.2	5086.6	4861.4	4518.0	4457.7	4530.2
7.5°	6638.5	6254.5	5592.3	4948.7	4473.6	4023.3	3720.5	3479.3	3210.9	3095.2	3102.6
10°	5989.9	5556.7	4774.0	4073.6	3684.8	3380.8	3126.0	2878.7	2606.7	2428.2	2379.0
12.5°	5626.9	5128.4	4226.2	3601.0	3240.5	2920.5	2646.0	2381.5	2091.0	1908.9	1857.2
15°	5564.0	5022.5	4020.7	3298.3	2846.6	2441.7	2118.1	1822.7	1523.6	1375.9	1345.2
17.5°	5836.1	5212.1	3954.3	3028.7	2476.3	1976.5	1579.1	1249.2	1005.5	931.7	925.5
20°	6357.9	5576.4	3945.7	2775.3	2110.7	1524.8	1100.2	860.3	753.3	732.2	733.4
22.5°	7090.2	6141.3	4051.6	2584.5	1774.7	1137.2	827.1	720.0	678.2	658.4	658.4
25°	8037.7	6919.1	4295.2	2445.4	1482.9	908.3	729.9	665.8	626.4	613.0	615.3
27.5°	8955.9	7676.0	4578.3	2335.9	1292.2	824.6	691.6	633.8	599.4	585.8	591.9
30°	9672.1	8348.0	4814.5	2187.0	1195.1	801.2	705.2	646.2	596.9	576.1	577.2
32.5°	10265.5	8936.2	5012.7	2079.9	1108.9	686.7	608.0	582.2	576.1	551.3	539.0
35°	11023.5	9577.4	5145.7	2082.4	1068.2	613.0	541.5	495.9	462.7	434.5	434.5
37.5°	11912.1	10313.4	5287.2	2110.7	1053.5	569.8	518.1	472.5	441.9	414.7	409.8
40°	12790.9	11034.6	5416.4	2137.7	1044.8	544.0	499.7	457.8	429.5	402.4	395.1
42.5°	13537.9	11627.8	5532.1	2151.4	1015.3	541.5	486.1	448.0	420.8	391.3	383.9
45°	14090.5	12125.0	5656.4	2172.2	985.8	551.3	486.1	446.8	413.5	385.2	377.8
47.5°	14584.0	12708.4	5864.4	2172.2	950.1	532.8	502.1	448.0	412.2	382.7	376.6
50°	15244.8	13508.4	6258.2	2121.7	899.6	513.2	529.3	443.0	401.2	377.8	370.5
52.5°	16155.6	14533.5	6883.5	2034.4	822.0	475.1	525.5	440.7	390.2	365.5	356.9
55°	17232.5	15631.2	7565.2	1932.2	706.5	448.0	507.1	434.5	377.8	350.7	342.1
57.5°	18073.0	16387.0	8045.2	1774.7	605.6	433.2	449.2	428.3	363.1	334.8	327.3
60°	18407.8	16357.4	8176.9	1564.3	556.2	420.8	392.6	479.9	350.7	322.5	313.8
62.5°	18226.8	15601.7	7807.6	1416.5	545.2	405.0	367.9	444.2	340.9	313.8	301.5
65°	17391.3	14262.8	6829.2	1377.2	577.2	388.9	352.1	348.3	327.3	301.5	289.2
67.5°	15571.0	12261.6	5468.1	1380.8	617.9	372.9	336.0	318.7	308.8	288.0	276.9
70°	12682.5	9694.3	4076.1	1390.8	638.7	354.4	318.7	300.3	289.2	268.3	260.9
72.5°	9325.2	7471.7	2961.2	1326.7	642.5	333.6	295.3	279.3	268.3	246.2	240.1
75°	6379.9	5715.5	2054.1	1099.0	560.0	304.0	269.6	254.8	247.4	220.2	216.6
77.5°	4660.7	4290.3	1314.4	815.9	432.0	267.0	237.5	226.5	221.6	192.0	187.1
80°	3740.2	3394.3	822.0	558.8	316.3	224.0	199.4	193.2	188.3	158.8	155.0
82.5°	2594.4	2273.1	527.9	363.1	237.5	173.5	157.6	155.0	147.7	120.6	116.9
85°	1368.6	1234.4	334.8	247.4	172.3	119.4	109.6	109.6	105.9	80.0	77.6
87.5°	174.9	284.3	169.8	129.3	94.7	52.9	52.9	51.7	55.4	45.6	39.4
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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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0
2.5°	6112.9	6172.0	6115.5	6119.1	6181.9	6368.9	6453.8	6524.0	6599.2	6648.3	6670.5
5°	4430.6	4568.4	4615.2	4713.7	4858.9	5097.6	5192.4	5261.3	5306.8	5333.9	5345.0
7.5°	3030.0	3113.7	3207.2	3366.1	3682.2	3822.7	3885.4	3869.4	3817.6	3799.3	3780.8
10°	2284.2	2251.0	2233.7	2321.1	2577.1	2718.7	2762.9	2719.9	2691.6	2697.7	2728.5
12.5°	1769.8	1711.9	1641.7	1631.9	1800.5	1927.4	1955.6	1958.0	2009.8	2055.2	2123.0
15°	1289.8	1283.7	1249.2	1228.3	1324.2	1427.6	1439.9	1462.1	1508.9	1542.0	1601.2
17.5°	909.5	942.7	969.7	983.4	1056.0	1129.8	1116.3	1105.1	1096.5	1096.5	1124.9
20°	733.4	755.6	790.2	829.5	903.3	955.0	921.8	877.5	845.4	835.7	839.3
22.5°	660.9	678.2	697.8	732.2	798.6	834.4	798.6	766.8	734.8	723.7	720.0
25°	624.0	646.2	664.7	690.4	739.6	764.3	729.9	706.5	686.7	673.2	663.3
27.5°	603.0	622.8	627.7	639.9	681.8	703.9	686.7	676.9	664.7	652.3	639.9
30°	580.9	577.2	568.5	569.8	603.0	625.2	624.0	626.4	625.2	621.4	619.1
32.5°	530.5	523.1	515.7	523.1	553.8	573.5	574.7	579.6	579.6	578.4	588.3
35°	441.9	455.4	464.1	486.1	523.1	540.3	532.8	520.6	498.4	484.9	483.7
37.5°	408.6	411.1	425.8	456.6	497.2	513.2	502.1	473.8	459.1	456.6	460.3
40°	392.6	395.1	403.7	432.0	472.5	488.6	478.8	457.8	444.2	443.0	449.2
42.5°	381.6	383.9	388.9	408.6	441.9	461.5	462.7	448.0	432.0	433.2	439.3
45°	375.5	376.6	375.5	385.2	415.9	439.3	449.2	439.3	425.8	428.3	435.7
47.5°	374.1	370.5	365.5	367.9	400.0	423.4	435.7	432.0	425.8	428.3	434.5
50°	369.2	360.5	354.4	353.2	385.2	409.8	420.8	420.8	423.4	428.3	434.5
52.5°	354.4	344.6	344.6	340.9	375.5	398.8	406.1	407.3	411.1	419.7	428.3
55°	336.0	332.2	336.0	329.9	367.9	390.2	393.9	396.3	398.8	406.1	418.5
57.5°	320.0	315.1	323.6	321.2	361.8	381.6	381.6	386.4	386.4	396.3	406.1
60°	311.4	301.5	305.3	307.7	353.2	374.1	371.7	376.6	379.0	387.7	395.1
62.5°	300.3	291.7	291.7	297.8	343.4	363.1	361.8	365.5	375.5	377.8	385.2
65°	286.8	283.1	279.3	286.8	333.6	350.7	352.1	356.9	365.5	367.9	374.1
67.5°	273.2	274.5	267.0	274.5	324.9	338.4	338.4	348.3	352.1	356.9	363.1
70°	258.4	259.7	253.5	262.1	318.7	324.9	323.6	337.2	339.7	343.4	349.5
72.5°	240.1	240.1	237.5	249.8	308.8	311.4	308.8	320.0	321.2	324.9	327.3
75°	220.2	220.2	217.9	235.0	302.7	296.6	289.2	297.8	300.3	302.7	302.7
77.5°	194.5	196.8	196.8	217.9	281.8	290.4	265.8	270.8	274.5	275.7	271.9
80°	162.5	168.6	171.1	198.2	236.3	268.3	237.5	241.3	242.4	242.4	237.5
82.5°	124.3	135.4	141.5	171.1	181.0	225.2	206.7	210.5	206.7	199.4	196.8
85°	86.1	100.9	108.2	130.4	136.6	173.5	172.3	172.3	164.9	155.0	153.8
87.5°	46.8	55.4	60.3	77.6	93.5	116.9	126.7	123.0	116.9	110.8	112.0
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0
2.5°	6786.2	6953.6	7220.6	7424.9	7630.4	7828.5	8042.7	8206.5	8345.4	8399.7	8564.5
5°	5457.0	5666.1	5918.5	6373.8	6696.3	7052.0	7463.1	8007.1	8216.3	8505.5	8979.3
7.5°	3858.3	4047.8	4454.0	4821.9	5278.6	5781.9	6336.9	7087.6	7362.1	7826.1	8597.8
10°	2881.0	3101.5	3427.6	3737.6	4140.2	4654.6	5292.1	6131.4	6465.0	6968.3	7857.0
12.5°	2321.1	2580.8	2926.6	3218.3	3529.7	3892.8	4511.8	5432.4	5879.1	6319.8	7218.1
15°	1783.3	2055.2	2376.5	2747.0	3090.3	3481.6	4130.3	5137.1	5651.4	6110.6	6877.3
17.5°	1234.4	1467.1	1871.9	2258.4	2697.7	3198.7	4024.4	5199.7	5813.9	6343.1	6936.4
20°	875.0	1007.9	1340.3	1788.2	2335.9	2964.8	4004.8	5529.6	6328.3	6932.6	7315.4
22.5°	736.0	785.2	978.4	1389.4	2022.1	2790.1	4073.6	5992.4	7022.4	7794.1	7919.6
25°	670.8	700.3	801.2	1090.4	1742.6	2663.3	4306.2	6681.5	7881.5	8655.6	8633.4
27.5°	635.1	665.8	732.2	920.6	1532.3	2584.5	4538.8	7498.8	8863.6	9591.0	9315.3
30°	624.0	665.8	736.0	867.6	1382.1	2460.2	4729.7	8216.3	9619.3	10222.3	9625.4
32.5°	615.3	621.4	653.5	748.3	1239.3	2314.9	4858.9	8860.0	10359.0	10822.9	10072.2
35°	497.2	527.9	579.6	670.8	1155.6	2227.6	4858.9	9415.0	11087.5	11429.6	10497.9
37.5°	478.8	505.9	551.3	628.9	1108.9	2184.5	4761.6	9950.4	11832.1	12117.6	10848.8
40°	468.9	491.0	534.2	596.9	1089.2	2135.3	4620.1	10422.9	12559.5	12806.9	11176.1
42.5°	461.5	481.2	521.8	577.2	1063.3	2081.2	4505.7	10802.0	13190.8	13395.0	11488.7
45°	457.8	478.8	523.1	587.0	1011.6	2009.8	4467.5	11211.8	13710.2	13886.2	11827.2
47.5°	457.8	482.5	529.3	608.0	950.1	1936.0	4586.9	11752.2	14201.2	14287.4	12225.9
50°	454.1	481.2	546.4	587.0	860.3	1842.3	4867.5	12432.7	14732.8	14742.8	12730.6
52.5°	446.8	478.8	588.3	574.7	756.8	1719.3	5246.5	13306.4	15519.3	15578.4	13520.7
55°	438.1	475.1	577.2	546.4	672.0	1572.9	5556.7	14368.5	16624.6	16788.2	14682.5
57.5°	427.1	470.2	558.8	507.1	616.6	1384.6	5668.7	15146.4	17396.1	17807.2	15992.0
60°	417.3	466.4	504.6	483.7	582.2	1225.8	5452.0	14992.5	17343.3	18229.4	17152.5
62.5°	407.3	470.2	460.3	468.9	566.2	1123.6	4886.0	13760.6	16465.7	17793.6	18012.8
65°	396.3	436.9	434.5	456.6	562.4	1083.0	4050.2	11913.3	14769.7	16416.5	18215.8
67.5°	381.6	403.7	415.9	440.7	574.7	1047.4	3268.8	9827.3	12413.0	14352.7	17157.4
70°	365.5	383.9	397.4	420.8	567.4	1031.3	2718.7	7749.9	9849.4	11763.2	15068.9
72.5°	344.6	360.5	372.9	395.1	560.0	1022.7	2296.5	6241.0	7353.4	8738.1	12251.8
75°	320.0	334.8	343.4	365.5	536.6	936.6	1805.5	5281.0	5502.6	6078.5	9758.4
77.5°	291.7	302.7	310.2	334.8	475.1	779.0	1305.7	4073.6	4273.0	4413.3	7481.5
80°	258.4	269.6	273.2	296.6	393.9	609.2	851.6	3009.1	3196.2	3228.2	4886.0
82.5°	220.2	231.4	231.4	253.5	322.5	438.1	558.8	2061.4	2098.4	2206.7	3453.3
85°	177.2	185.8	185.8	196.8	249.8	327.3	383.9	1035.0	1024.0	1169.2	2991.8
87.5°	126.7	133.0	139.1	141.5	178.4	216.6	231.4	315.1	208.0	238.7	1921.1
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: GAN-AF-04-LED-U-SLR-7030-1200

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0	7564.0
2.5°	8688.9	8759.0	8687.6	8636.0	8413.2	8229.9	7984.8	7859.3
5°	9339.9	9518.3	9458.0	9241.4	8776.2	8253.2	7658.7	7390.4
7.5°	9261.2	9675.9	9685.8	9280.8	8595.3	7824.9	7020.0	6638.5
10°	8648.2	9178.7	9330.0	8937.4	8210.1	7348.6	6425.5	5989.9
12.5°	7963.9	8483.3	8599.0	8463.7	7855.6	6990.5	6053.8	5626.9
15°	7404.0	7636.5	7774.5	7892.6	7551.7	6847.8	6033.0	5564.0
17.5°	7063.1	7037.3	7076.6	7282.1	7340.0	7011.3	6353.0	5836.1
20°	6940.0	6544.9	6535.2	6818.3	7240.3	7401.6	6978.2	6357.9
22.5°	7007.7	6367.7	6286.4	6622.5	7293.3	7963.9	7797.9	7090.2
25°	7241.4	6382.5	6317.3	6642.2	7485.3	8563.3	8682.8	8037.7
27.5°	7609.5	6476.1	6389.9	6723.4	7739.9	9066.7	9554.0	8955.9
30°	7959.0	6638.5	6531.4	6883.5	7972.5	9266.1	10088.1	9672.1
32.5°	8383.7	6942.5	6754.2	7177.6	8260.5	9583.5	10564.5	10265.5
35°	8799.6	7375.6	7141.8	7631.6	8581.8	9978.6	11108.4	11023.5
37.5°	9256.2	7941.8	7748.5	8218.7	9021.1	10351.6	11802.5	11912.1
40°	9743.5	8692.5	8463.7	9075.3	9703.0	10819.2	12527.4	12790.9
42.5°	10234.7	9525.8	9252.5	9872.7	10452.5	11280.7	13147.7	13537.9
45°	10797.1	10430.3	10301.1	10971.9	11172.5	11720.1	13605.5	14090.5
47.5°	11451.8	11456.7	11664.7	11933.0	11898.6	12217.3	14065.8	14584.0
50°	12216.1	12737.9	13197.0	13375.4	12646.9	12751.4	14704.5	15244.8
52.5°	13134.2	14270.2	14838.7	14721.8	13453.0	13403.7	15716.3	16155.6
55°	14282.5	15892.2	16457.1	16373.5	14379.7	14292.3	16976.4	17232.5
57.5°	15611.6	17463.9	17983.2	17606.6	15492.2	15267.1	18018.9	18073.0
60°	16779.6	18709.3	19164.7	18747.5	16614.6	16304.5	18670.0	18407.8
62.5°	17429.4	19131.6	19451.4	19002.3	17383.9	17409.7	18812.7	18226.8
65°	17139.0	18064.5	18167.8	18130.9	17185.7	18050.9	18299.5	17391.3
67.5°	15548.9	15366.8	15540.3	15780.2	15487.3	17206.5	16878.1	15571.0
70°	12747.8	11747.2	12093.1	12254.2	12387.2	14806.7	14649.3	12682.5
72.5°	9606.9	8229.9	8503.0	8469.8	9085.1	11876.4	11392.7	9325.2
75°	6807.1	5580.1	5614.5	5600.9	6339.4	9292.0	8249.5	6379.9
77.5°	4762.8	4042.9	4061.3	4137.6	4261.9	7007.7	5893.9	4660.7
80°	3274.9	3068.2	3170.3	3176.5	2953.8	4707.4	4354.3	3740.2
82.5°	2439.3	2132.8	2108.2	2143.8	2314.9	3814.0	3346.3	2594.4
85°	1997.5	1262.7	1015.3	1272.6	2051.6	3777.1	2222.7	1368.6
87.5°	1124.9	599.4	270.8	502.1	818.5	2500.8	642.5	174.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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