

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: McGRAW-EDISON

Report Number: P588634

Luminaire Tested: **GAT-CA6-LED-90-760-U-33-5-X-X-GHSS**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-372-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GAT-CA6-LED-90-760-U-33-5-X-X-GHSS  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE, TYPE III REFRACTOR AND HOUSE SIDE SHIELD  
Light Source: (3) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6280 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.08')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G5

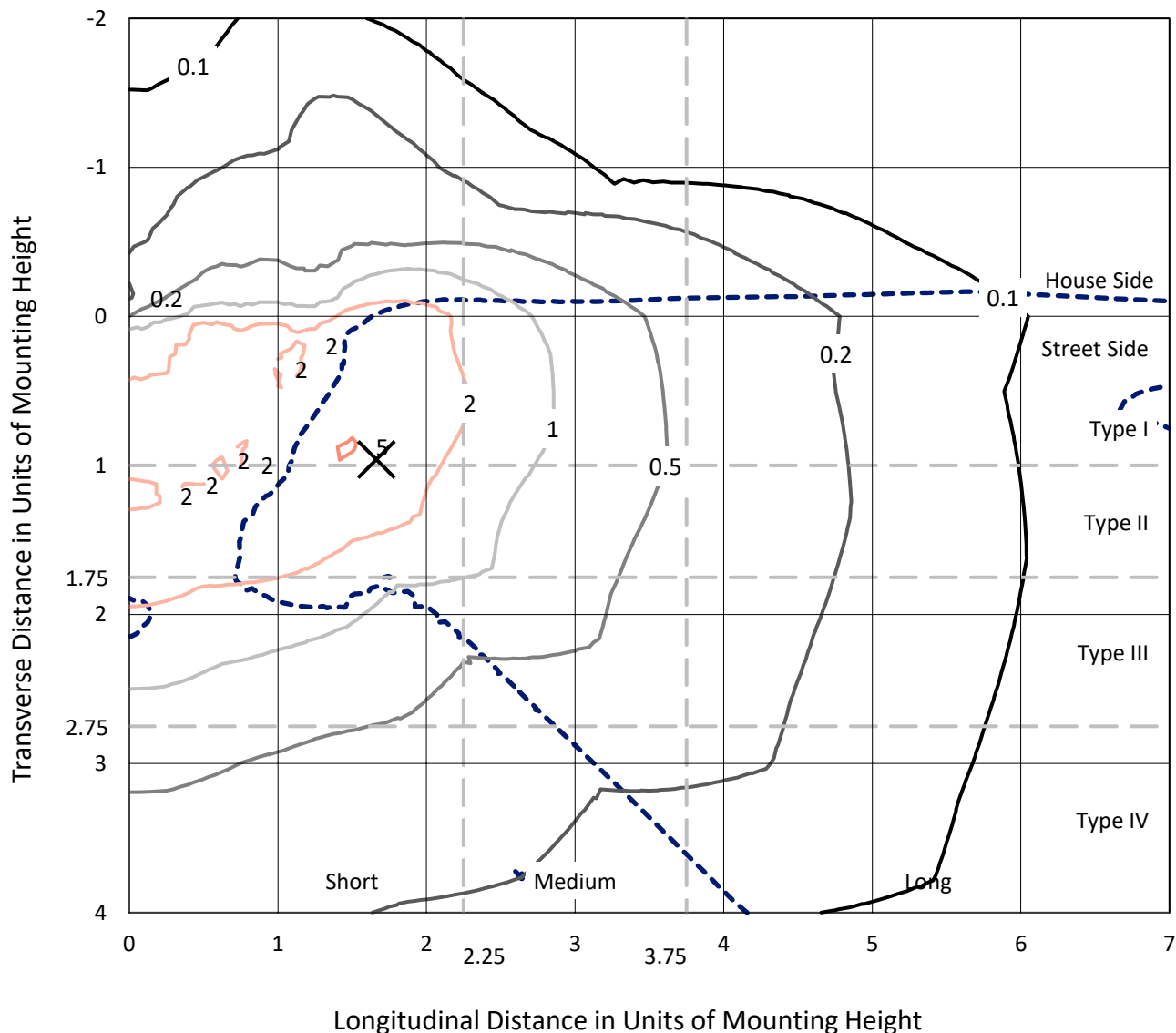
Input Watts (W): 47.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - Non-Cutoff

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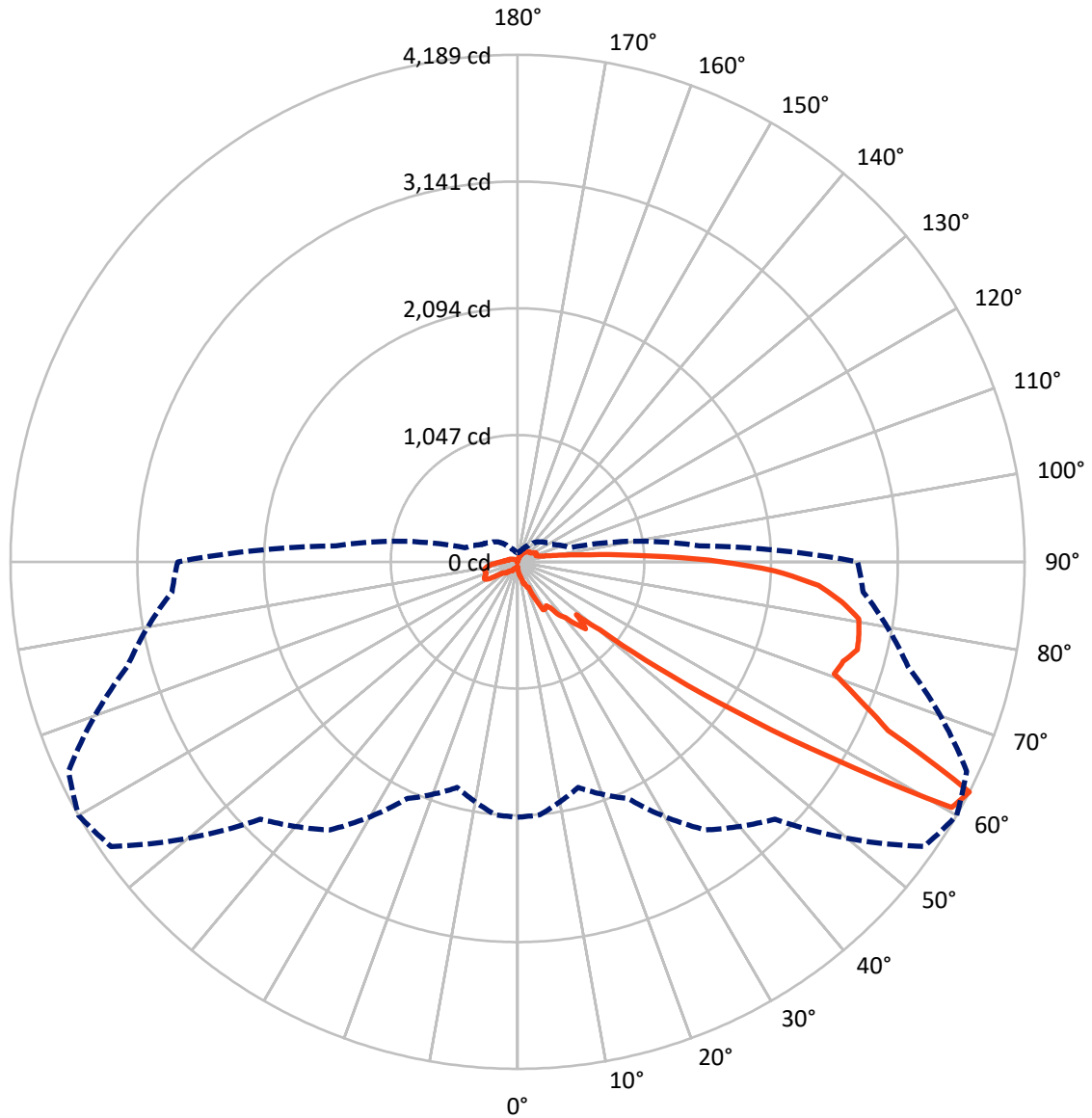
Scaled Data Report



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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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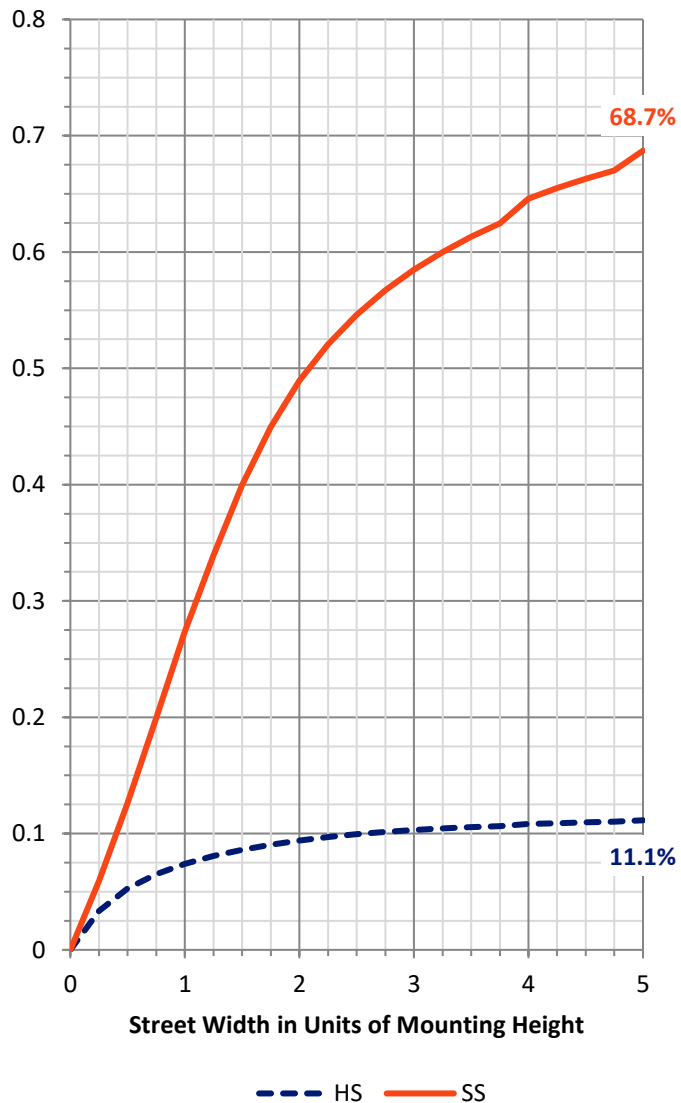
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	736.7	146.9	883.6
	% Fixture	11.7	2.3	14.1
<b>Street Side</b>	Lumens	4797.0	599.4	5396.4
	% Fixture	76.4	9.5	85.9
<b>Total</b>	Lumens	5533.7	746.3	6280.0
	% Fixture	88.1	11.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	30.2	0.5
20°-30°	89.8	1.4
30°-40°	180.4	2.9
40°-50°	317.6	5.1
50°-60°	876.7	14.0
60°-70°	1515.9	24.1
70°-80°	1407.1	22.4
80°-90°	1109.5	17.7
90°-100°	352.0	5.6
100°-110°	125.6	2.0
110°-120°	103.2	1.6
120°-130°	67.9	1.1
130°-140°	48.3	0.8
140°-150°	31.3	0.5
150°-160°	14.4	0.2
160°-170°	3.6	0.1
170°-180°	0.1	0.0
0°-90°	5533.7	88.1
0°-180°	6280.0	100.0

**Coefficient of Utilization**



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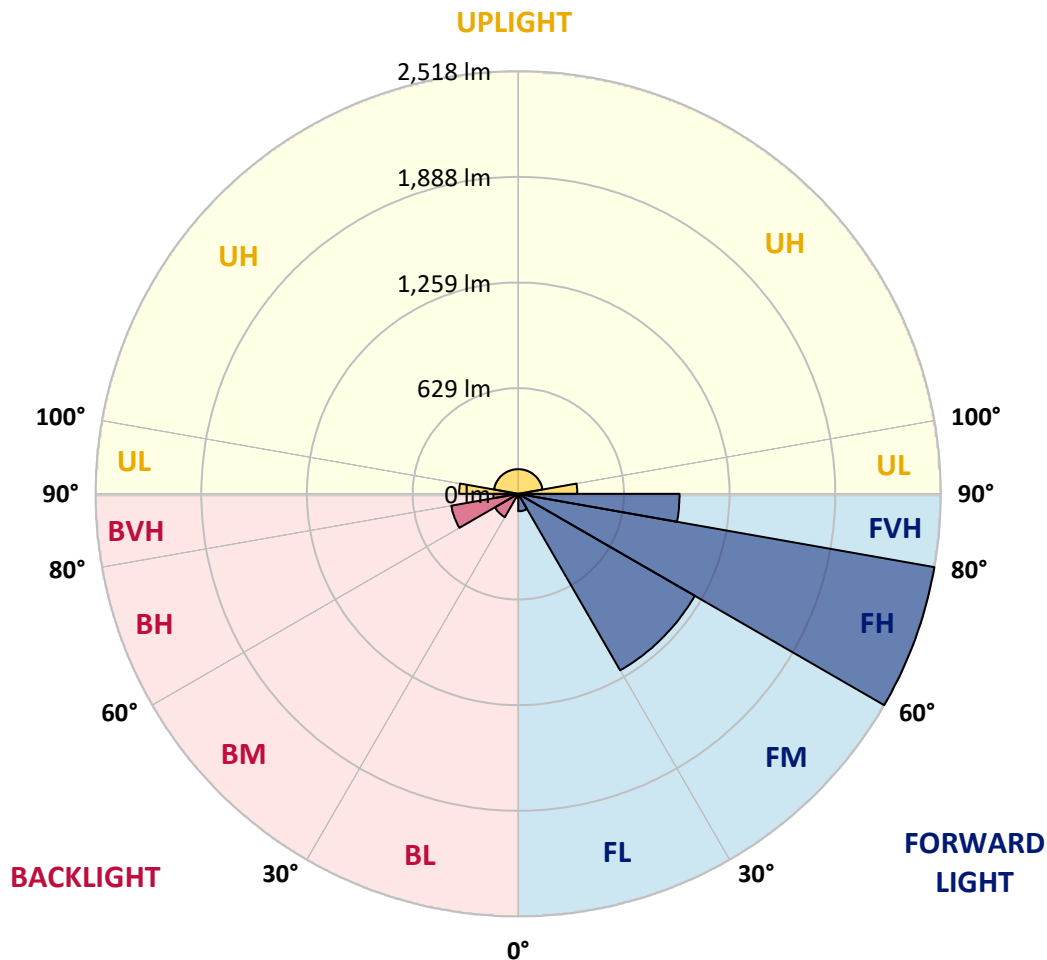
CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-X-X-GHSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.2	1.7			
FM (30°-60°)	1214.3	19.3			
FH (60°-80°)	2517.7	40.1			G2/5000
FVH (80°-90°)	960.7	15.3			G5
BL (0°-30°)	22.3	0.4	B0/110		
BM (30°-60°)	160.4	2.6	B0/220		
BH (60°-80°)	405.2	6.5	B1/500		G1/500
BVH (80°-90°)	148.8	2.4			G2/225
UL (90°-100°)	352.0	5.6		U3/500	
UH (100°-180°)	146.9	2.3		U3/500	

**BUG Rating: B1-U3-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2.5°	74.4	72.5	73.5	73.5	74.4	70.6	66.7	63.8	60.9	57.0	52.2
5°	106.3	104.4	101.5	100.5	98.6	94.7	88.9	87.0	81.2	73.5	63.8
7.5°	129.5	128.5	127.6	124.7	122.7	116.9	110.2	107.3	100.5	89.9	78.3
10°	146.9	146.9	147.9	143.0	134.3	129.5	123.7	121.8	116.9	102.4	87.9
12.5°	161.4	159.5	151.7	147.9	144.0	145.0	145.9	145.0	143.0	118.9	98.6
15°	174.9	173.0	167.2	162.4	159.5	169.1	190.4	188.5	187.5	149.8	115.0
17.5°	184.6	184.6	190.4	194.3	199.1	184.6	180.7	186.5	193.3	165.3	130.5
20°	212.6	208.8	203.9	200.1	224.2	213.6	217.5	224.2	229.1	184.6	143.0
22.5°	200.1	201.0	222.3	230.0	218.4	212.6	226.2	229.1	230.0	211.7	148.8
25°	273.5	260.9	253.2	277.4	275.4	318.0	330.5	339.2	339.2	287.0	207.8
27.5°	377.9	377.9	410.7	474.5	463.9	464.9	450.4	449.4	467.8	485.2	316.0
30°	409.8	420.4	512.2	544.1	578.9	535.4	488.1	451.3	459.1	552.8	368.2
32.5°	419.4	429.1	540.3	505.5	518.0	500.6	507.4	433.0	414.6	509.3	358.6
35°	366.3	379.8	470.7	426.2	402.0	454.2	517.1	463.9	455.2	418.5	324.7
37.5°	489.0	495.8	527.7	520.9	528.7	531.6	606.9	558.6	568.3	505.5	410.7
40°	561.5	553.8	678.5	708.4	696.8	686.2	679.4	605.0	616.6	585.7	555.7
42.5°	690.1	681.4	769.3	787.7	790.6	762.5	794.4	700.7	671.7	607.9	692.0
45°	698.8	703.6	786.7	739.3	788.6	839.9	897.8	789.6	737.4	630.1	804.1
47.5°	618.5	639.8	822.5	780.9	732.6	687.2	709.4	654.3	611.8	498.7	773.2
50°	631.1	639.8	756.7	707.4	588.6	728.7	923.9	884.3	837.9	618.5	745.1
52.5°	893.0	889.1	940.4	943.3	973.2	1094.0	1479.7	1447.8	1455.5	1204.2	1109.5
55°	1224.5	1222.6	1352.1	1558.9	1730.0	1788.9	2292.4	2166.8	2109.8	1866.2	1959.0
57.5°	1583.1	1599.5	1656.5	1946.5	2239.3	2315.6	3104.3	3039.5	2913.9	2434.5	2681.9
60°	1960.9	1951.3	1867.2	2057.6	2526.3	2907.1	4090.1	4121.0	3870.7	3064.6	2927.4
62.5°	2109.8	2097.2	1930.0	2157.1	2703.2	3005.7	4099.7	4188.6	4093.0	3337.2	2865.6
65°	2084.7	2055.7	1833.4	2012.2	2281.8	2557.3	3660.0	3365.2	3521.8	3412.6	2709.0
67.5°	1986.1	1979.3	1772.5	1871.1	2047.0	2082.7	3343.0	3045.3	3101.4	3480.2	2755.4
70°	1862.4	1860.4	1703.9	1778.3	2028.6	1991.9	3094.6	2774.7	2741.8	3114.9	2767.0
72.5°	1866.2	1864.3	1691.3	1716.4	1985.1	1925.2	3068.5	2813.4	2753.4	2935.1	2633.6
75°	1898.1	1900.1	1716.4	1744.5	2046.0	1938.7	3130.4	2899.4	2838.5	2917.7	2527.3
77.5°	1867.2	1882.7	1701.9	1764.8	2084.7	1936.8	3101.4	2883.0	2796.9	2774.7	2324.3
80°	1763.8	1785.1	1622.7	1695.2	2049.9	1962.9	3077.2	2857.8	2748.6	2626.8	2178.4
82.5°	1547.3	1569.5	1444.9	1511.5	1906.8	1855.6	2908.1	2695.5	2597.8	2385.2	1988.0
85°	1329.9	1381.1	1320.2	1329.9	1683.6	1699.0	2680.0	2492.5	2424.9	2239.3	1923.3
87.5°	1097.9	1142.4	1085.3	1016.7	1261.2	1350.1	2216.1	2123.3	2105.0	1976.4	1669.1
90°	812.8	853.4	819.6	729.7	854.4	910.4	1633.3	1582.1	1621.7	1474.8	1147.2
92.5°	589.5	596.3	556.7	482.3	569.2	596.3	1070.8	992.6	1038.9	903.6	672.7
95°	394.3	410.7	379.8	347.9	412.7	415.6	660.1	602.1	577.0	519.0	402.0
97.5°	289.0	289.9	278.3	249.3	289.9	293.8	438.8	395.3	373.1	348.9	278.3
100°	229.1	229.1	211.7	193.3	202.0	209.7	305.4	275.4	263.8	253.2	209.7
102.5°	200.1	199.1	184.6	166.2	165.3	169.1	231.0	210.7	202.0	195.2	165.3
105°	189.4	188.5	174.0	154.6	149.8	146.9	192.3	178.8	173.0	167.2	148.8
107.5°	187.5	185.6	171.1	153.7	145.9	138.2	173.0	161.4	162.4	156.6	143.0
110°	189.4	189.4	176.9	166.2	153.7	143.0	174.0	161.4	165.3	163.3	148.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	184.6	189.4	184.6	177.8	164.3	155.6	181.7	167.2	172.0	172.0	153.7
115°	174.0	178.8	178.8	172.0	159.5	156.6	179.8	167.2	169.1	166.2	143.0
117.5°	159.5	162.4	160.4	152.7	142.1	140.1	167.2	161.4	161.4	152.7	133.4
120°	148.8	143.0	135.3	129.5	123.7	128.5	150.8	145.0	140.1	136.3	121.8
122.5°	133.4	126.6	117.9	115.0	111.1	117.9	137.2	132.4	127.6	125.6	115.0
125°	110.2	110.2	106.3	104.4	103.4	113.1	135.3	130.5	123.7	119.8	107.3
127.5°	106.3	106.3	103.4	101.5	102.4	114.0	132.4	127.6	119.8	115.0	103.4
130°	107.3	105.3	101.5	98.6	99.5	113.1	131.4	125.6	117.9	114.0	103.4
132.5°	101.5	99.5	96.6	94.7	93.7	107.3	124.7	121.8	116.0	107.3	95.7
135°	98.6	96.6	94.7	93.7	93.7	104.4	118.9	116.0	110.2	100.5	87.9
137.5°	97.6	95.7	91.8	90.8	89.9	99.5	111.1	109.2	103.4	94.7	84.1
140°	92.8	89.9	87.0	86.0	86.0	93.7	105.3	103.4	97.6	90.8	81.2
142.5°	86.0	84.1	81.2	81.2	82.1	89.9	102.4	101.5	94.7	87.0	78.3
145°	82.1	80.2	78.3	79.2	80.2	87.0	96.6	95.7	90.8	84.1	75.4
147.5°	75.4	74.4	72.5	71.5	73.5	79.2	89.9	89.9	87.0	78.3	69.6
150°	65.7	64.8	62.8	61.9	63.8	69.6	78.3	78.3	75.4	66.7	59.0
152.5°	55.1	54.1	54.1	55.1	57.0	59.9	67.7	68.6	65.7	57.0	50.3
155°	48.3	47.4	47.4	48.3	51.2	54.1	59.0	59.0	56.1	50.3	43.5
157.5°	41.6	40.6	40.6	41.6	44.5	46.4	51.2	50.3	48.3	43.5	37.7
160°	31.9	30.9	30.9	31.9	34.8	36.7	40.6	40.6	39.6	36.7	31.9
162.5°	24.2	23.2	23.2	24.2	26.1	27.1	30.0	30.9	30.9	29.0	25.1
165°	18.4	17.4	17.4	17.4	19.3	20.3	21.3	21.3	21.3	20.3	17.4
167.5°	11.6	10.6	10.6	11.6	12.6	12.6	13.5	13.5	12.6	12.6	10.6
170°	5.8	4.8	4.8	5.8	5.8	5.8	4.8	3.9	3.9	3.9	3.9
172.5°	1.9	1.0	2.9	2.9	1.9	0.0	0.0	1.0	1.0	1.0	0.0
175°	1.9	1.0	2.9	2.9	1.9	0.0	0.0	1.0	0.0	1.0	0.0
177.5°	1.0	1.0	2.9	2.9	1.9	0.0	0.0	0.0	0.0	1.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
2.5°	50.3	49.3	45.4	39.6	33.8	28.0	27.1	28.0	29.0	30.0	30.9
5°	59.9	56.1	48.3	39.6	31.9	24.2	20.3	18.4	17.4	18.4	19.3
7.5°	72.5	67.7	58.0	47.4	37.7	30.0	25.1	20.3	17.4	17.4	18.4
10°	81.2	75.4	63.8	52.2	42.5	33.8	28.0	23.2	20.3	18.4	18.4
12.5°	90.8	83.1	67.7	55.1	44.5	36.7	30.9	26.1	23.2	21.3	21.3
15°	101.5	92.8	74.4	58.0	47.4	38.7	33.8	29.0	25.1	23.2	23.2
17.5°	118.9	104.4	78.3	60.9	49.3	40.6	34.8	30.0	26.1	24.2	24.2
20°	126.6	110.2	79.2	63.8	52.2	42.5	35.8	30.0	27.1	25.1	25.1
22.5°	126.6	109.2	81.2	65.7	55.1	44.5	36.7	30.9	27.1	25.1	25.1
25°	159.5	119.8	83.1	70.6	58.0	46.4	38.7	31.9	28.0	26.1	26.1
27.5°	223.3	156.6	95.7	75.4	61.9	49.3	40.6	33.8	29.0	27.1	27.1
30°	245.5	174.9	109.2	87.9	67.7	52.2	42.5	35.8	30.9	28.0	28.0
32.5°	250.3	172.0	116.9	96.6	77.3	57.0	44.5	37.7	31.9	29.0	29.0
35°	226.2	159.5	116.9	100.5	83.1	63.8	49.3	39.6	32.9	30.0	29.0
37.5°	263.8	172.0	119.8	101.5	86.0	68.6	55.1	42.5	34.8	30.9	30.9
40°	341.2	203.9	134.3	107.3	87.0	71.5	60.9	47.4	37.7	32.9	32.9
42.5°	399.1	230.0	149.8	121.8	94.7	75.4	62.8	51.2	41.6	35.8	34.8
45°	448.4	255.1	163.3	135.3	108.2	84.1	66.7	55.1	45.4	39.6	38.7
47.5°	457.1	267.7	174.0	148.8	118.9	92.8	72.5	59.0	50.3	43.5	42.5
50°	441.7	268.7	177.8	157.5	130.5	102.4	79.2	63.8	54.1	47.4	47.4
52.5°	631.1	335.4	195.2	162.4	134.3	110.2	87.9	69.6	58.0	52.2	52.2
55°	1138.5	542.2	252.2	192.3	144.0	116.0	95.7	78.3	63.8	57.0	57.0
57.5°	1840.1	846.6	333.4	257.1	185.6	134.3	104.4	87.0	71.5	61.9	61.9
60°	2438.4	1194.5	405.9	313.1	243.5	184.6	126.6	98.6	80.2	68.6	67.7
62.5°	2807.6	1507.7	448.4	334.4	278.3	233.9	170.1	123.7	90.8	78.3	76.4
65°	2725.4	1664.2	466.8	332.5	276.4	249.3	203.0	153.7	109.2	89.9	87.0
67.5°	2503.1	1665.2	463.9	318.0	261.9	236.8	202.0	166.2	126.6	101.5	97.6
70°	2392.0	1636.2	449.4	307.3	250.3	221.3	187.5	152.7	124.7	108.2	106.3
72.5°	2338.8	1616.9	440.7	305.4	248.4	215.5	177.8	136.3	112.1	103.4	105.3
75°	2351.4	1628.5	444.6	308.3	252.2	218.4	174.0	126.6	98.6	88.9	90.8
77.5°	2323.4	1605.3	450.4	307.3	250.3	213.6	162.4	116.0	89.9	80.2	79.2
80°	2346.6	1555.0	436.8	297.7	235.8	194.3	144.0	103.4	82.1	75.4	74.4
82.5°	2168.7	1354.0	388.5	271.6	213.6	167.2	120.8	90.8	77.3	69.6	69.6
85°	1988.0	1097.9	333.4	238.7	175.9	131.4	96.6	79.2	67.7	61.9	61.9
87.5°	1508.6	786.7	258.0	196.2	146.9	113.1	87.9	76.4	66.7	62.8	61.9
90°	932.6	485.2	192.3	156.6	124.7	100.5	83.1	73.5	65.7	62.8	62.8
92.5°	521.9	310.2	148.8	128.5	107.3	89.9	76.4	66.7	59.9	57.0	57.0
95°	353.7	232.0	127.6	115.0	95.7	79.2	66.7	58.0	52.2	48.3	48.3
97.5°	256.1	182.7	113.1	103.4	86.0	69.6	59.0	50.3	45.4	43.5	43.5
100°	196.2	147.9	102.4	92.8	76.4	60.9	51.2	43.5	38.7	36.7	36.7
102.5°	157.5	124.7	92.8	84.1	67.7	54.1	43.5	35.8	31.9	30.9	30.0
105°	142.1	116.0	87.0	78.3	61.9	49.3	38.7	31.9	28.0	26.1	26.1
107.5°	138.2	116.0	86.0	76.4	59.0	46.4	34.8	29.0	25.1	23.2	23.2
110°	146.9	122.7	87.0	74.4	55.1	42.5	31.9	26.1	22.2	21.3	21.3

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P588634

CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-X-X-GHSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	151.7	123.7	83.1	69.6	51.2	38.7	30.0	24.2	21.3	19.3	19.3
115°	139.2	111.1	76.4	61.9	45.4	34.8	28.0	23.2	19.3	17.4	17.4
117.5°	134.3	104.4	74.4	54.1	41.6	31.9	26.1	21.3	18.4	16.4	16.4
120°	134.3	101.5	65.7	47.4	37.7	29.0	24.2	19.3	16.4	15.5	15.5
122.5°	129.5	93.7	58.0	41.6	32.9	25.1	21.3	17.4	15.5	13.5	13.5
125°	117.9	87.0	47.4	37.7	30.0	23.2	19.3	16.4	13.5	12.6	12.6
127.5°	111.1	86.0	44.5	34.8	27.1	21.3	17.4	14.5	11.6	10.6	10.6
130°	110.2	86.0	41.6	30.9	24.2	18.4	15.5	12.6	10.6	9.7	9.7
132.5°	98.6	78.3	39.6	29.0	22.2	17.4	14.5	11.6	9.7	8.7	8.7
135°	88.9	72.5	38.7	27.1	20.3	15.5	12.6	10.6	7.7	7.7	7.7
137.5°	82.1	66.7	38.7	25.1	18.4	13.5	11.6	9.7	6.8	6.8	6.8
140°	77.3	61.9	37.7	24.2	16.4	12.6	10.6	7.7	5.8	5.8	5.8
142.5°	72.5	58.0	34.8	23.2	15.5	10.6	9.7	7.7	5.8	4.8	4.8
145°	66.7	53.2	30.9	21.3	14.5	9.7	8.7	6.8	4.8	3.9	3.9
147.5°	60.9	47.4	27.1	18.4	13.5	8.7	7.7	5.8	3.9	3.9	3.9
150°	52.2	40.6	24.2	16.4	11.6	7.7	6.8	4.8	3.9	2.9	2.9
152.5°	42.5	34.8	21.3	14.5	10.6	6.8	5.8	3.9	2.9	1.9	1.9
155°	37.7	30.9	19.3	12.6	8.7	5.8	4.8	2.9	2.9	1.9	1.9
157.5°	32.9	27.1	17.4	10.6	6.8	3.9	3.9	2.9	1.9	1.9	1.0
160°	27.1	23.2	14.5	8.7	5.8	2.9	2.9	1.9	1.9	1.0	1.0
162.5°	21.3	17.4	10.6	6.8	3.9	1.9	1.9	1.9	1.9	1.0	0.0
165°	14.5	12.6	7.7	4.8	2.9	1.0	1.0	1.9	1.0	1.0	0.0
167.5°	9.7	7.7	4.8	2.9	1.9	0.0	1.0	1.0	1.0	1.0	0.0
170°	3.9	3.9	2.9	1.9	0.0	0.0	0.0	1.0	1.0	1.0	0.0
172.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
177.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)