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

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

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202634

Luminaire Tested: GWC-SB2A-735-U-T2-HSS

Issue Date: 10/30/2025

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

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202634
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-735-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6550 lumens
Efficiency:	N/A
Efficacy:	114.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

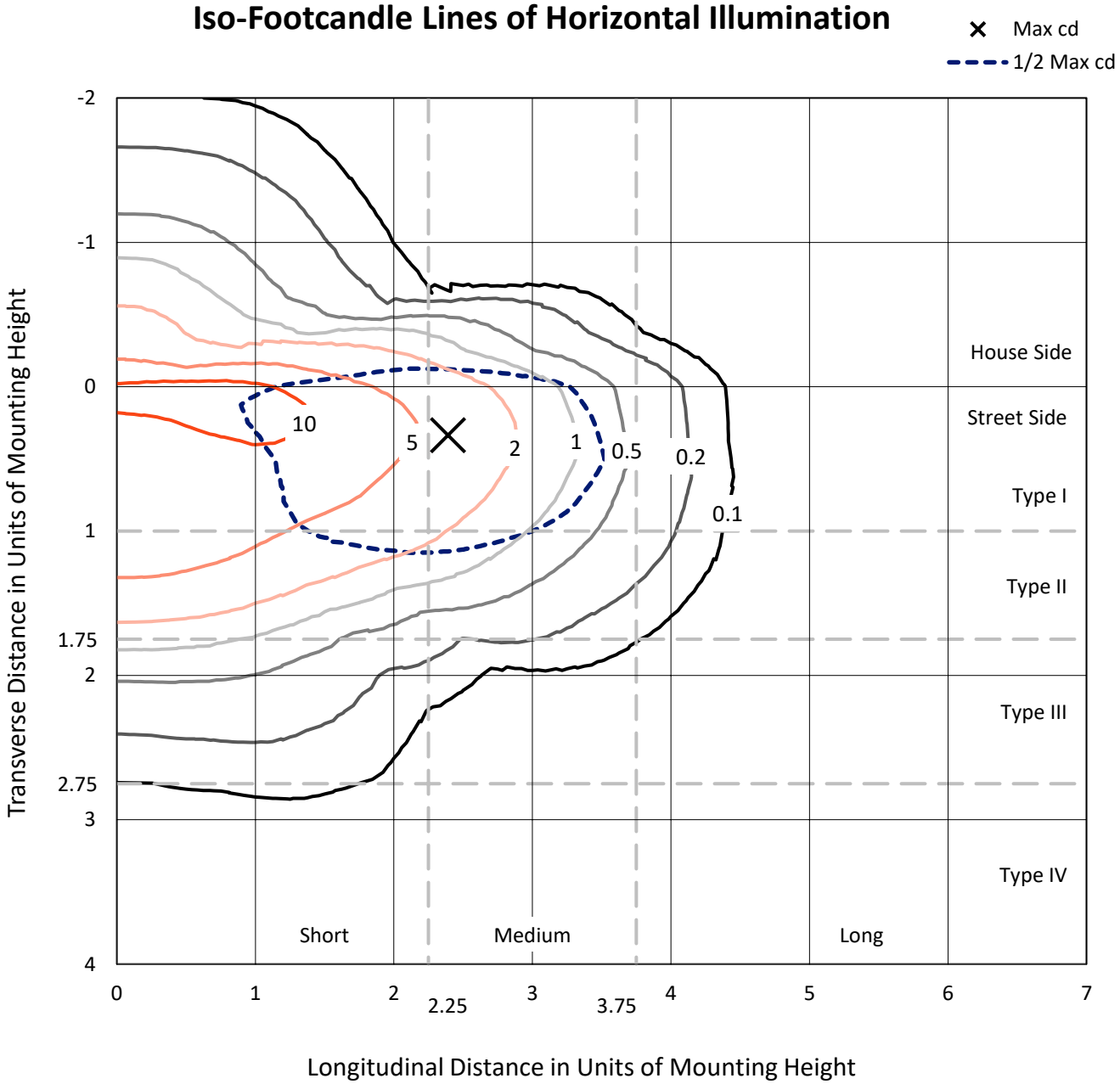


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



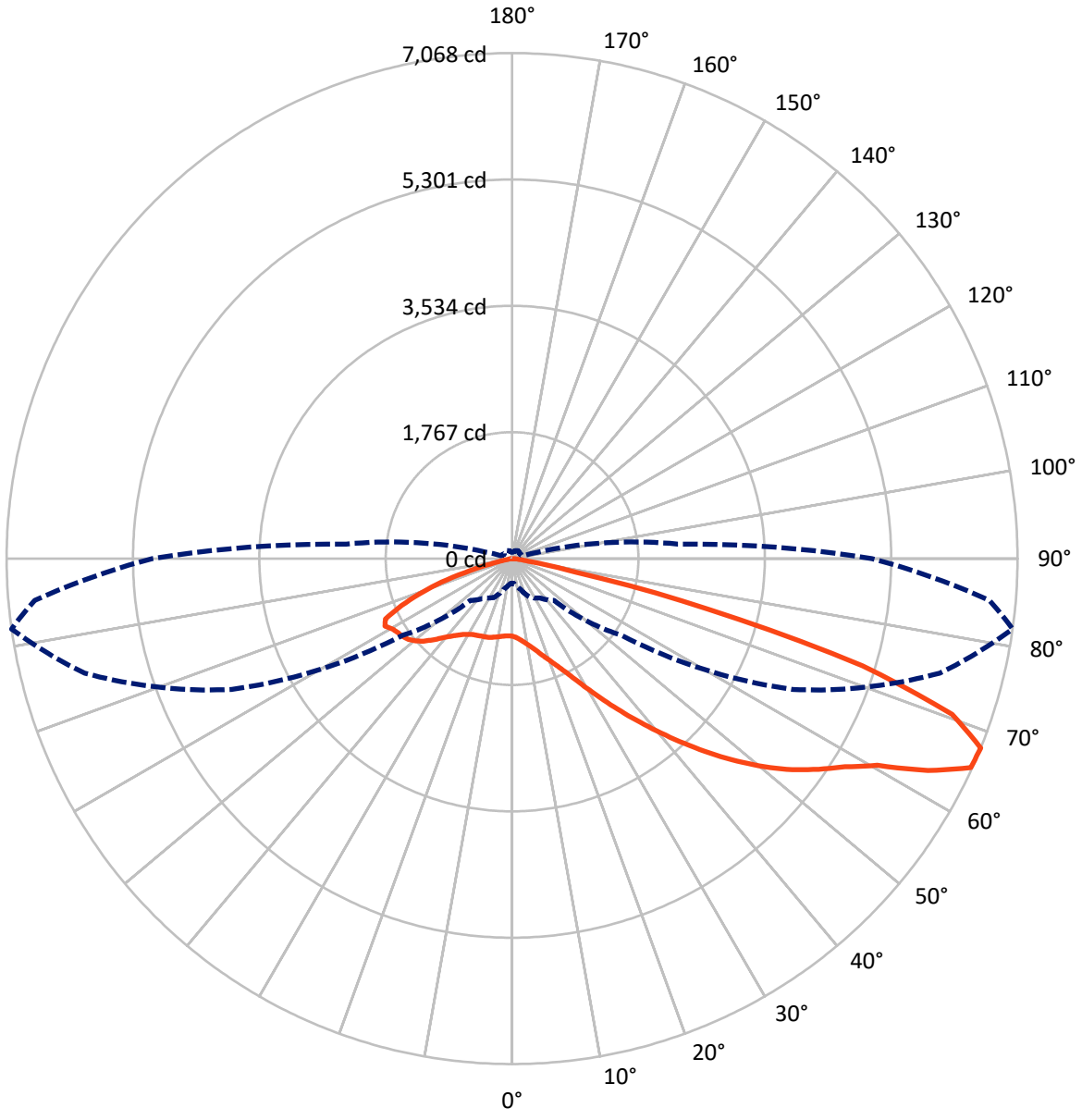
Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

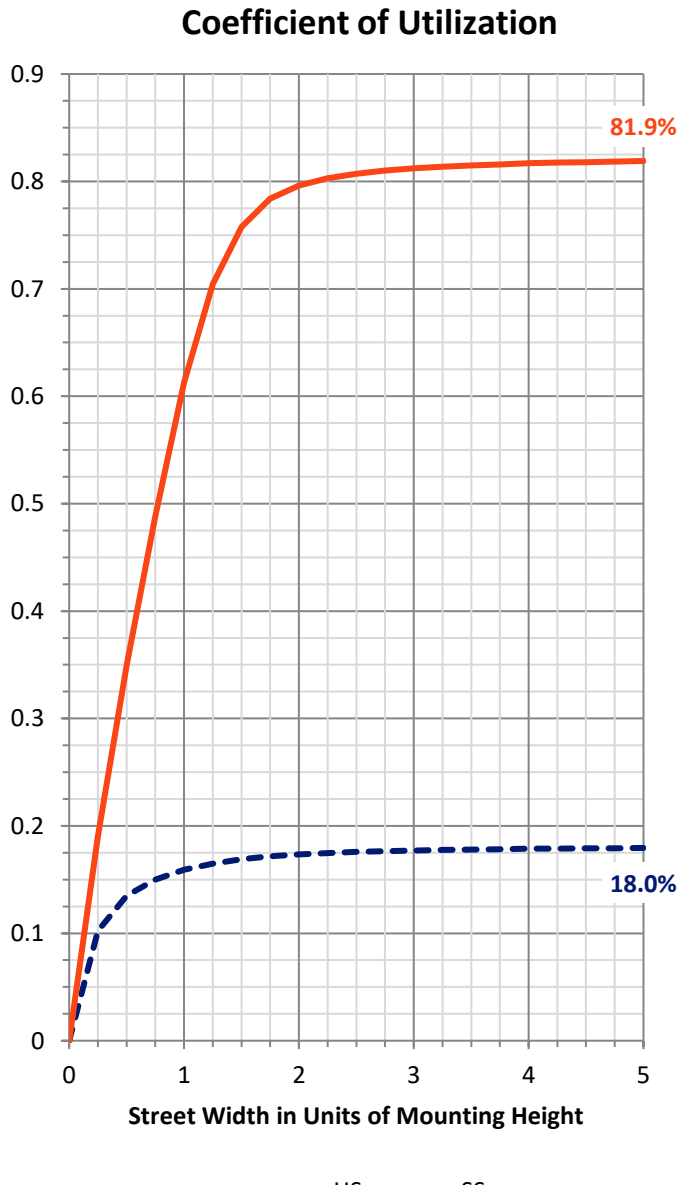
REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1186.5	0.0	1186.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5363.5	0.0	5363.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	6550.0	0.0	6550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.5
10°-20°	251.2	3.8
20°-30°	402.4	6.1
30°-40°	711.5	10.9
40°-50°	1246.7	19.0
50°-60°	1662.7	25.4
60°-70°	1547.9	23.6
70°-80°	594.1	9.1
80°-90°	36.9	0.6
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°	6550.0	100.0
0°-180°	6550.0	100.0



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

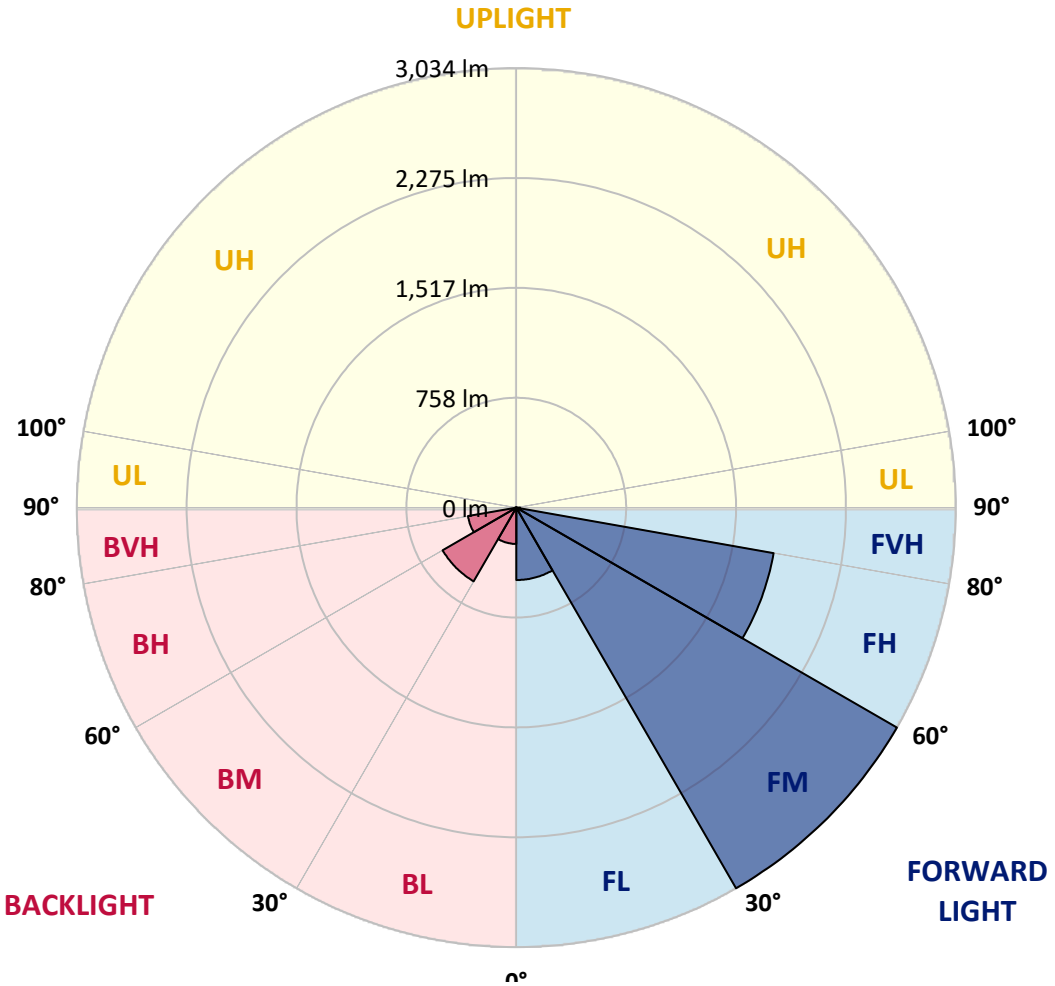
Scaled Data Report

REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	499.7	7.6			
FM	(30°-60°)	3033.7	46.3			
FH	(60°-80°)	1803.3	27.5			G2/5000
FVH	(80°-90°)	26.8	0.4			G1/100
BL	(0°-30°)	250.6	3.8	B1/500		
BM	(30°-60°)	587.2	9.0	B1/1000		
BH	(60°-80°)	338.6	5.2	B1/500		G1/500
BVH	(80°-90°)	10.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	*1085.1*	1085.1
2.5°	1146.9	1153.5	1149.7	1147.8	1144.5	1139.8	1136.0	1124.3	1112.0	*1104.0*	1101.1
5°	1170.0	1176.6	1176.1	1178.0	1180.4	1181.8	1180.8	1167.6	1150.2	*1136.5*	1128.5
7.5°	1150.2	1157.7	1163.9	1173.3	1189.8	1207.3	1215.7	1212.9	1195.0	*1176.1*	1166.2
10°	1094.1	1102.1	1116.7	1138.9	1173.8	1211.5	1243.1	1257.7	1246.4	*1225.6*	1212.0
12.5°	991.3	999.3	1028.1	1076.2	1134.6	1200.2	1260.5	1299.7	1302.5	*1281.8*	1265.7
15°	875.7	883.7	914.4	974.8	1063.9	1169.1	1270.0	1344.0	1369.0	*1351.1*	1331.8
17.5°	804.0	811.1	834.2	882.8	975.7	1106.8	1266.7	1391.2	1448.2	*1434.1*	1411.0
20°	782.4	788.5	799.3	833.3	910.6	1042.2	1245.0	1435.5	1533.6	*1525.6*	1499.6
22.5°	805.5	811.1	814.4	829.5	878.1	999.8	1217.6	1480.8	1632.6	*1633.6*	1602.0
25°	858.8	864.4	860.6	870.1	891.3	986.6	1207.3	1534.1	1757.1	*1767.5*	1731.7
27.5°	946.5	946.9	938.0	937.5	940.8	1006.4	1218.1	1591.1	1914.2	*1933.5*	1889.2
30°	1122.4	1115.3	1080.9	1043.6	1026.6	1065.8	1248.3	1658.6	2099.5	*2133.9*	2078.3
32.5°	1393.5	1383.2	1320.0	1230.8	1141.2	1161.5	1302.5	1735.4	2301.3	*2363.6*	2295.7
35°	1687.8	1685.0	1618.9	1486.4	1329.9	1297.8	1390.7	1836.3	2521.6	*2620.6*	2539.9
37.5°	1961.3	1959.9	1922.2	1766.1	1575.6	1487.8	1532.2	1968.4	2757.3	*2900.7*	2805.4
40°	2211.3	2215.5	2177.8	2038.2	1846.2	1731.7	1724.6	2131.6	3019.5	*3205.8*	3092.6
42.5°	2427.2	2432.0	2393.8	2290.5	2113.6	2001.4	1960.8	2331.5	3275.6	*3533.6*	3399.6
45°	2573.9	2603.1	2597.5	2515.0	2388.1	2271.6	2244.7	2582.4	3567.5	*3881.1*	3724.1
47.5°	2615.4	2642.3	2684.7	2696.0	2618.7	2504.1	2536.2	2884.7	3862.7	*4229.2*	4050.4
50°	2513.1	2538.1	2626.2	2743.7	2797.4	2762.1	2819.6	3208.7	4165.0	*4576.2*	4370.6
52.5°	2311.2	2336.7	2448.0	2633.8	2853.1	2964.4	3104.0	3527.9	4457.9	*4904.9*	4673.9
55°	2019.3	2046.2	2189.1	2399.4	2747.0	3047.8	3341.2	3846.7	4726.2	*5200.6*	4947.4
57.5°	1622.2	1642.1	1790.6	2084.9	2480.1	2964.8	3516.1	4194.7	4979.0	*5491.1*	5218.5
60°	1057.3	1074.7	1247.3	1575.6	2037.7	2687.6	3551.0	4582.8	5314.7	*5868.9*	5584.0
62.5°	703.1	714.9	817.3	1058.2	1435.0	2155.1	3346.8	4892.7	5807.1	*6526.2*	6210.8
65°	482.4	494.2	596.6	764.4	927.1	1425.6	2759.7	4851.6	6253.2	*7048.3*	6675.3
67.5°	*344.3*	*354.2*	*440.9*	*599.4*	*671.1*	*828.1*	*1870.8*	*4327.2*	*6189.1*	*7068.1*	*6700.3*
70°	246.6	252.3	324.0	466.9	533.4	497.5	1040.3	3309.6	5419.0	*6526.7*	6190.0
72.5°	172.6	174.5	224.9	355.6	429.6	363.1	495.2	2206.5	4098.5	*5122.8*	4798.8
75°	117.0	119.3	151.4	260.8	344.7	277.3	262.2	1183.2	2406.0	*2835.6*	2541.8
77.5°	71.7	72.6	97.6	178.3	258.0	211.3	168.8	501.3	930.9	*913.9*	779.1
80°	40.6	40.6	62.2	110.8	175.9	136.3	118.4	213.2	294.7	*258.9*	228.2
82.5°	22.6	23.1	45.3	68.9	116.5	80.6	65.1	98.6	127.3	*112.7*	98.1
85°	9.4	10.4	27.8	32.5	55.6	40.1	26.4	41.5	47.2	*42.0*	30.7
87.5°	0.9	1.4	8.5	6.1	6.6	8.0	3.8	8.0	6.6	*6.6*	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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

Scaled Data Report

REPORT NUMBER: P1202634
CATALOG NUMBER: GWC-SB2A-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1	1085.1
2.5°	1092.2	1085.1	1067.2	1046.4	1019.1	1005.9	988.0	975.7	965.3	966.3	956.8
5°	1113.4	1095.5	1055.4	1005.4	943.2	898.8	851.7	819.1	792.7	787.1	774.3
7.5°	1142.6	1114.4	1044.1	954.0	848.9	769.2	697.9	652.2	619.7	609.3	598.9
10°	1180.4	1139.3	1029.5	889.4	738.0	636.6	560.2	524.4	502.2	494.7	489.0
12.5°	1224.2	1168.1	1010.1	810.7	623.9	526.3	477.7	459.8	452.7	450.4	448.9
15°	1279.4	1204.0	980.9	717.3	527.2	458.9	438.1	435.7	436.7	435.7	435.3
17.5°	1345.0	1243.1	933.3	621.1	462.2	424.4	416.9	418.8	421.1	420.7	419.7
20°	1416.6	1281.8	872.4	535.7	417.8	399.9	395.7	397.5	399.4	398.5	398.0
22.5°	1498.2	1323.3	805.0	469.2	388.1	377.3	372.6	373.0	373.0	371.1	370.2
25°	1595.8	1369.0	734.3	422.1	365.5	357.0	351.3	349.4	346.6	341.0	340.0
27.5°	1712.3	1417.6	666.3	389.1	347.6	339.5	332.9	328.2	321.1	311.7	310.8
30°	1843.4	1476.5	608.8	368.3	333.4	325.4	317.8	310.8	300.4	288.6	287.7
32.5°	1997.6	1539.7	566.8	354.6	320.7	312.2	303.2	294.7	283.4	271.6	272.1
35°	2181.5	1616.1	542.3	345.2	310.8	299.5	289.6	280.1	271.6	261.3	260.3
37.5°	2381.0	1697.2	534.8	340.5	304.2	286.7	275.4	268.8	267.9	261.7	261.3
40°	2599.4	1793.4	540.4	337.7	297.1	274.5	262.2	260.8	263.1	252.3	252.8
42.5°	2830.4	1907.6	549.9	334.4	287.2	262.2	250.4	250.4	248.5	233.4	233.4
45°	3080.4	2039.1	559.3	326.3	275.4	249.9	241.0	237.7	229.7	215.0	214.6
47.5°	3332.2	2173.1	566.4	311.7	261.3	239.6	231.5	224.0	212.2	199.0	198.5
50°	3571.3	2293.3	558.8	290.0	245.2	229.7	221.2	210.8	198.1	189.1	187.7
52.5°	3784.9	2397.5	526.8	264.6	228.2	219.3	211.7	200.9	190.5	181.1	180.1
55°	3970.7	2481.9	470.2	240.5	213.2	210.3	202.8	189.1	175.0	166.9	166.0
57.5°	4149.0	2546.1	399.4	220.7	199.5	200.4	189.1	176.8	163.6	155.2	154.2
60°	4386.2	2631.9	327.8	202.3	184.9	187.7	175.4	166.5	150.0	139.1	137.7
62.5°	4765.3	2765.4	260.3	179.7	167.9	168.8	163.6	152.8	133.0	120.3	119.3
65°	5066.2	2716.3	205.1	155.2	148.5	150.0	150.0	138.2	117.0	102.3	100.9
67.5°	*5032.3*	*2325.8*	*163.6*	*131.1*	*130.2*	*131.1*	*134.4*	*124.5*	*103.7*	*92.0*	*90.1*
70°	4635.7	1850.0	131.1	108.9	113.2	110.8	120.3	113.7	93.4	81.6	80.2
72.5°	3782.6	1332.7	100.0	90.1	86.8	90.5	108.5	102.3	77.8	64.6	63.2
75°	2210.3	711.1	74.5	71.2	62.7	75.5	96.2	87.2	59.4	47.6	46.2
77.5°	719.6	248.1	54.7	52.3	46.7	60.8	82.1	73.6	48.6	37.7	36.3
80°	192.9	75.0	37.3	34.4	30.2	45.3	65.1	58.5	34.9	24.5	24.1
82.5°	77.3	31.6	21.7	19.3	16.5	31.1	51.4	47.2	25.9	15.6	15.6
85°	25.0	10.4	8.0	6.1	7.5	19.3	30.7	32.1	18.4	8.0	6.1
87.5°	3.3	1.4	1.4	1.9	1.4	3.3	9.4	9.0	5.2	0.9	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


HS
SS

0

(END OF REPORT)