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: P1203747

Luminaire Tested: GWC-SB2D-735-U-SL2

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:	P1203747
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20223 lumens
Efficiency:	N/A
Efficacy:	137.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

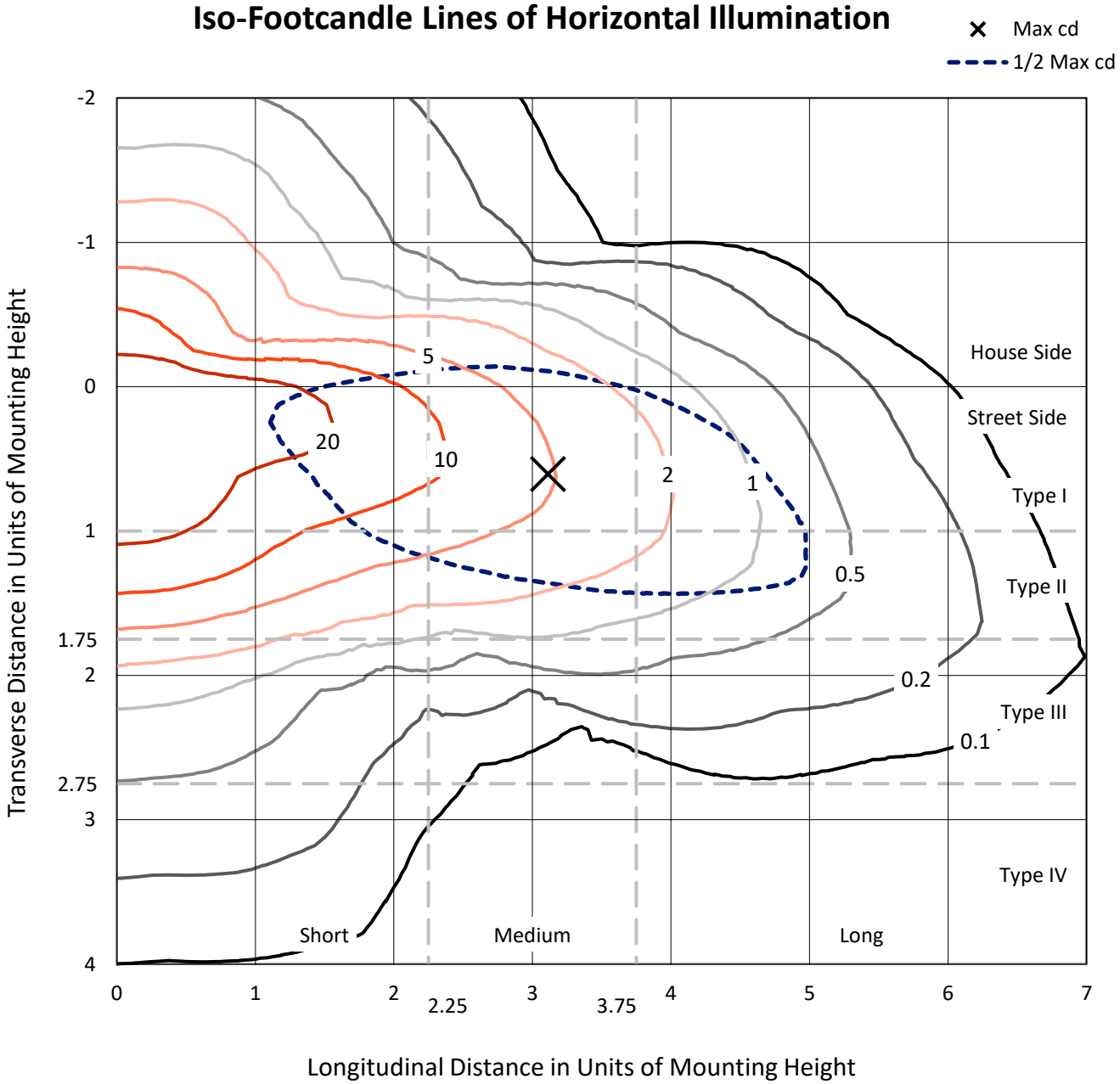


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



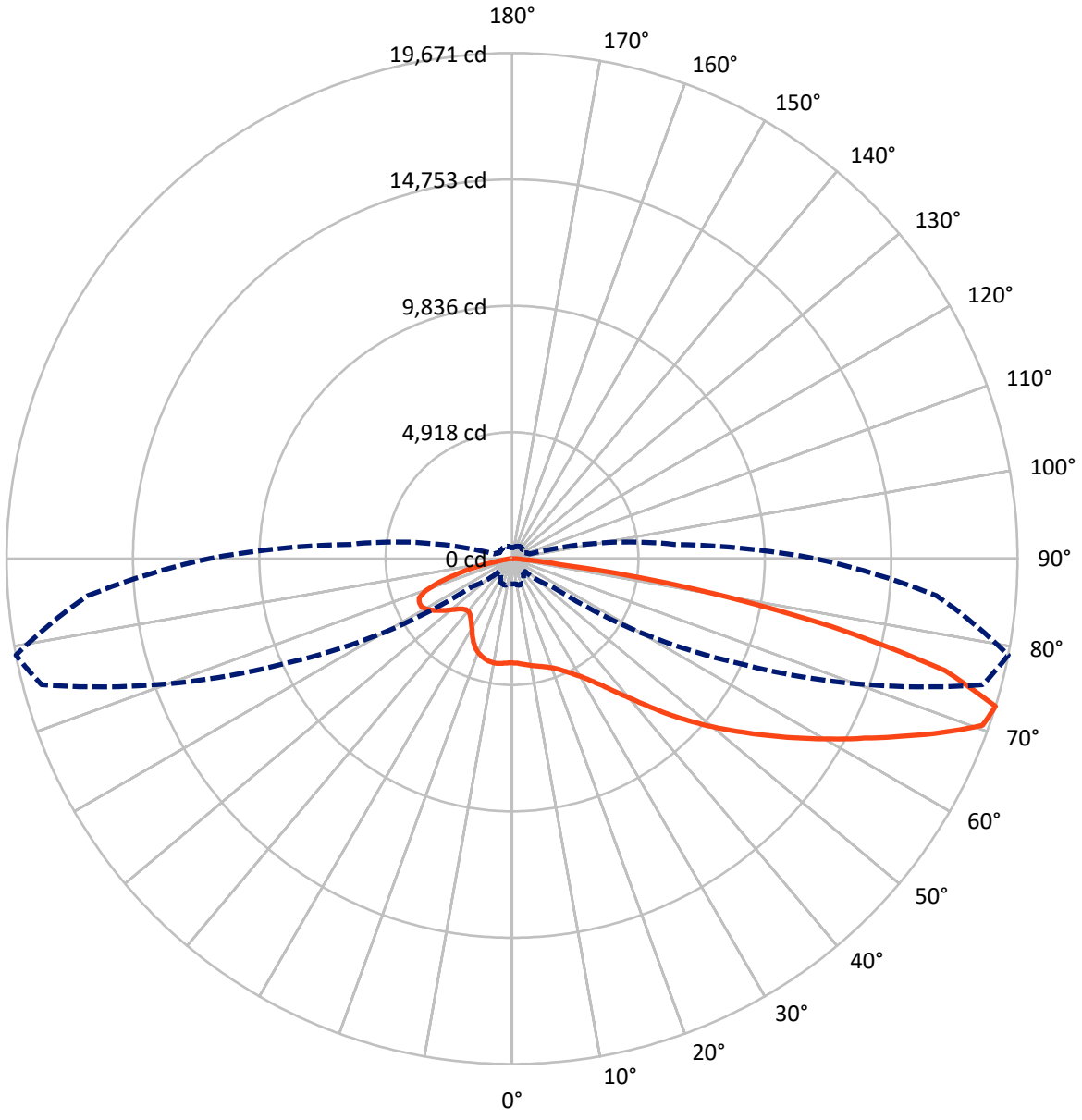
Based on 10 foot mounting height. Maximum calculated value = 40.8 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

Luminous Intensity Polar Plot



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

Scaled Data Report

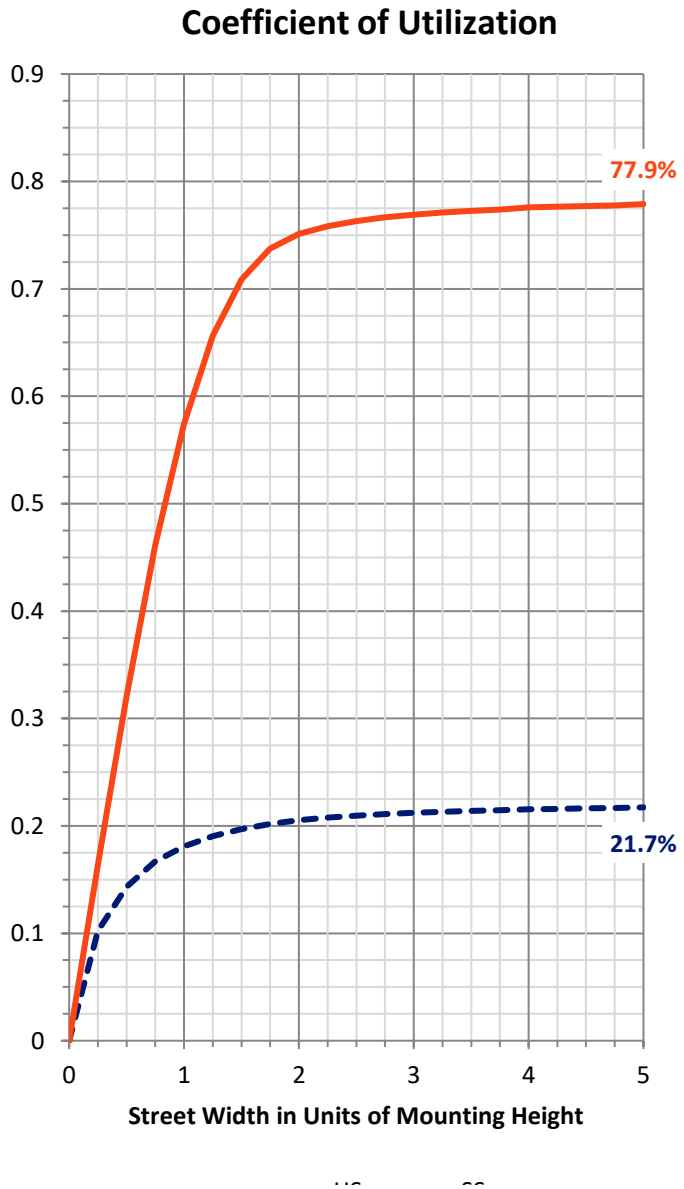
REPORT NUMBER: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4450.2	0.0	4450.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	15772.8	0.0	15772.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	20223.0	0.0	20223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.5	1.8
10°-20°	963.4	4.8
20°-30°	1554.6	7.7
30°-40°	2333.2	11.5
40°-50°	3309.8	16.4
50°-60°	4179.8	20.7
60°-70°	4245.1	21.0
70°-80°	2893.3	14.3
80°-90°	375.4	1.9
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°	20223.0	100.0
0°-180°	20223.0	100.0



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

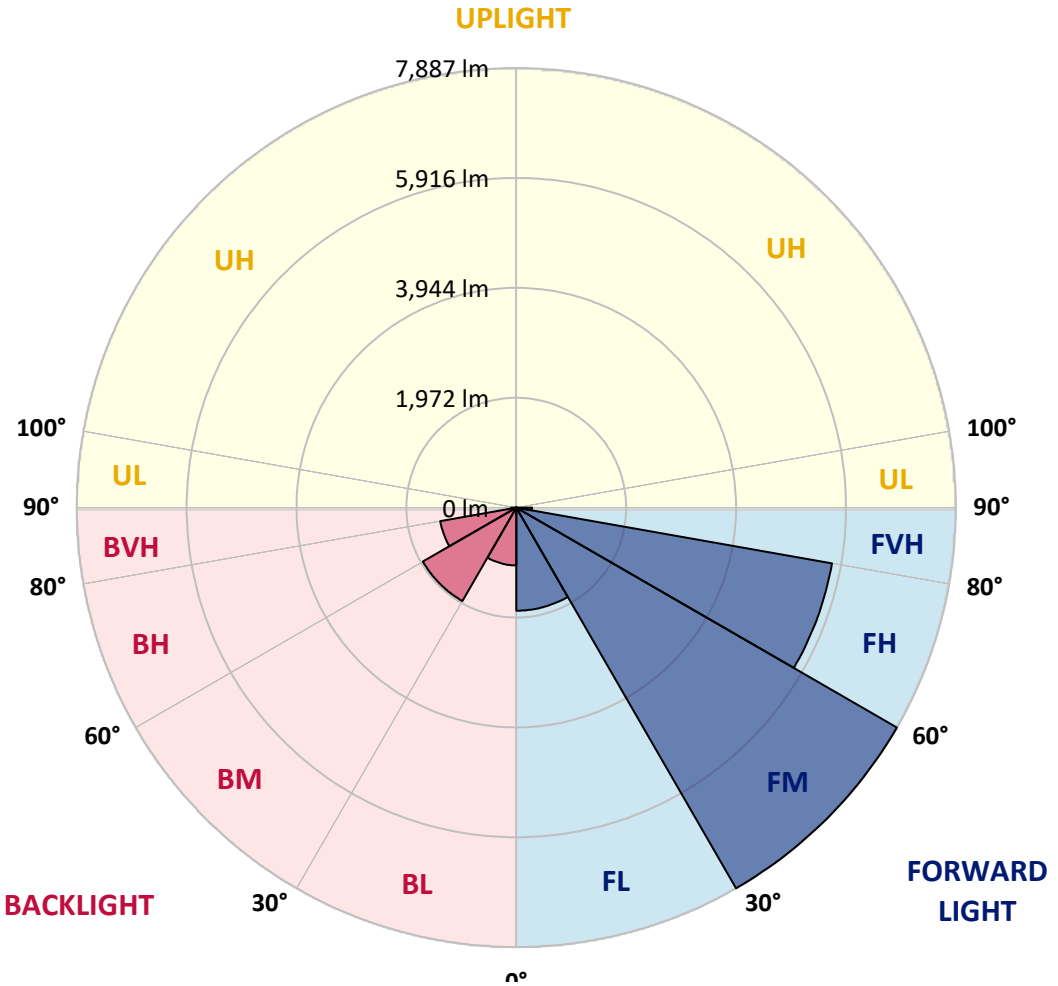
Scaled Data Report

REPORT NUMBER: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1849.9	9.1			
FM	(30°-60°)	7887.4	39.0			
FH	(60°-80°)	5752.8	28.4			G3/7500
FVH	(80°-90°)	282.8	1.4			G3/500
BL	(0°-30°)	1036.6	5.1	B3/2500		
BM	(30°-60°)	1935.4	9.6	B2/2500		
BH	(60°-80°)	1385.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	92.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	*4059.6*	4059.6
2.5°	4061.7	4042.5	4054.2	4049.9	4055.3	4061.7	4063.9	4067.1	4077.8	*4076.7*	4075.6
5°	4053.2	4033.9	4049.9	4044.6	4058.5	4073.5	4086.3	4098.1	4115.2	*4122.7*	4112.0
7.5°	4035.0	4022.1	4038.2	4054.2	4079.9	4102.4	4120.5	4147.3	4171.9	*4176.2*	4183.7
10°	3929.1	3919.4	3956.9	3998.6	4069.2	4130.2	4169.8	4200.8	4227.5	*4231.8*	4242.5
12.5°	3818.9	3807.1	3848.8	3905.5	4020.0	4130.2	4213.6	4254.3	4277.8	*4291.7*	4307.7
15°	3800.7	3791.1	3814.6	3863.8	3959.0	4101.3	4243.6	4318.4	4338.8	*4354.8*	4361.2
17.5°	3888.4	3870.2	3879.9	3897.0	3952.6	4074.6	4267.1	4391.2	4422.2	*4439.3*	4439.3
20°	4091.7	4066.0	4051.0	4016.8	4007.2	4078.8	4265.0	4478.9	4519.6	*4540.9*	4546.3
22.5°	4362.3	4345.2	4313.1	4226.5	4132.3	4131.2	4305.6	4591.2	4667.2	*4687.5*	4674.7
25°	4689.6	4664.0	4623.3	4505.6	4324.9	4235.0	4374.1	4734.6	4861.9	*4867.2*	4829.8
27.5°	5066.2	5027.7	4972.0	4816.9	4573.0	4397.6	4478.9	4899.3	5085.4	*5083.3*	5006.3
30°	5463.0	5424.5	5365.7	5177.4	4870.4	4616.9	4624.4	5076.9	5350.7	*5339.0*	5207.4
32.5°	5752.9	5724.1	5712.3	5566.8	5212.7	4875.8	4791.3	5273.7	5678.1	*5667.4*	5483.4
35°	5975.4	5938.0	5951.9	5878.1	5586.1	5165.7	4995.6	5508.0	6076.0	*6074.9*	5846.0
37.5°	6195.8	6162.6	6174.4	6125.2	5931.6	5533.6	5244.8	5794.7	6569.1	*6592.7*	6284.6
40°	6396.9	6361.6	6408.7	6362.7	6200.1	5925.2	5528.3	6118.8	7140.4	*7185.3*	6815.2
42.5°	6517.8	6490.0	6568.1	6569.1	6433.3	6255.7	5839.6	6476.1	7801.4	*7902.0*	7467.7
45°	6559.5	6549.9	6667.5	6692.1	6639.7	6447.2	6119.8	6865.4	8513.9	*8693.6*	8211.1
47.5°	6514.6	6496.4	6659.0	6749.9	6791.6	6537.0	6352.0	7286.9	9241.3	*9504.4*	9022.0
50°	6287.8	6252.5	6494.3	6685.7	6834.4	6595.9	6586.2	7773.6	10068.2	*10355.9*	9837.1
52.5°	5880.2	5853.5	6128.4	6461.1	6740.3	6624.8	6849.4	8305.3	10853.3	*11225.6*	10672.6
55°	5359.3	5324.0	5626.7	6061.0	6506.0	6615.1	7112.5	8900.0	11779.7	*12157.3*	11535.8
57.5°	4533.5	4462.9	4845.8	5359.3	6124.1	6603.4	7386.4	9491.6	12721.1	*13173.6*	12456.9
60°	3329.0	3224.1	3693.7	4302.4	5377.5	6488.9	7725.5	10154.8	13850.7	*14258.3*	13462.4
62.5°	1938.3	1877.4	2184.4	2752.4	4053.2	5815.0	7915.9	10926.1	14961.1	*15388.9*	14450.8
65°	1505.1	1488.0	1514.7	1558.6	2256.0	4353.7	7328.6	11678.1	16373.1	*16672.6*	15480.9
67.5°	1376.7	1363.9	1375.7	1293.3	1144.6	2425.0	5797.9	11868.5	17885.7	*18067.5*	16382.7
70°	1223.8	1208.8	1247.3	1176.7	900.7	1102.9	3746.1	11177.5	19089.1	*19430.3*	17068.4
72.5°	*997.0*	*979.9*	*1069.7*	*1037.6*	*758.4*	*708.2*	*1881.6*	*9535.5*	*18962.9*	*19671.0*	*16577.4*
75°	765.9	756.3	863.3	890.0	618.3	557.3	902.8	7087.9	16687.6	*17401.1*	14287.1
77.5°	594.8	587.3	641.8	739.2	498.5	432.2	555.2	4496.0	12575.6	*12700.7*	9845.7
80°	446.1	424.7	475.0	572.3	388.3	315.6	376.5	2621.9	7949.1	*7205.6*	4285.3
82.5°	279.2	268.5	310.2	381.9	273.8	217.2	245.0	1448.4	3185.6	*1876.3*	826.9
85°	159.4	155.1	169.0	218.2	148.7	125.2	140.1	639.7	581.9	*400.1*	249.2
87.5°	64.2	62.0	77.0	97.3	54.6	46.0	49.2	154.0	128.4	*118.7*	82.4
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: P1203747
CATALOG NUMBER: GWC-SB2D-735-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6	4059.6
2.5°	4071.3	4071.3	4056.4	4032.8	4006.1	3989.0	3961.2	3953.7	3924.8	3916.2	3930.1
5°	4120.5	4112.0	4066.0	3999.7	3908.7	3825.3	3733.3	3675.5	3594.2	3565.4	3586.8
7.5°	4182.6	4159.1	4079.9	3934.4	3744.0	3556.8	3362.1	3214.5	3073.3	3023.0	3029.4
10°	4239.3	4206.1	4071.3	3816.7	3487.3	3163.2	2852.9	2635.8	2471.0	2403.7	2418.6
12.5°	4296.0	4235.0	4014.6	3621.0	3122.5	2682.8	2352.3	2183.3	2081.7	2000.4	2027.1
15°	4349.5	4263.9	3926.9	3358.9	2722.4	2276.4	2032.5	1897.7	1816.4	1762.9	1772.5
17.5°	4411.5	4288.5	3795.4	3026.2	2341.6	1995.0	1796.1	1714.8	1698.7	1692.3	1696.6
20°	4498.2	4311.0	3622.1	2654.0	2061.3	1770.4	1667.7	1660.2	1659.1	1655.9	1666.6
22.5°	4591.2	4337.7	3393.1	2315.9	1822.8	1630.2	1612.1	1597.1	1587.5	1586.4	1598.2
25°	4701.4	4346.3	3106.5	2038.9	1619.6	1563.9	1542.5	1520.1	1513.6	1513.6	1520.1
27.5°	4808.4	4317.4	2772.7	1798.2	1505.1	1503.0	1475.1	1467.7	1466.6	1469.8	1478.3
30°	4915.3	4262.8	2441.1	1575.7	1438.8	1438.8	1429.1	1434.5	1438.8	1449.5	1457.0
32.5°	5059.8	4205.1	2164.0	1411.0	1381.0	1370.3	1379.9	1390.6	1394.9	1408.8	1420.6
35°	5271.6	4164.4	1943.7	1321.1	1321.1	1307.2	1312.5	1310.4	1300.8	1294.4	1309.3
37.5°	5551.8	4162.3	1761.8	1279.4	1270.8	1268.7	1269.8	1255.8	1218.4	1173.5	1174.5
40°	5888.8	4220.0	1621.7	1250.5	1244.1	1256.9	1250.5	1213.1	1110.4	1032.3	1030.1
42.5°	6341.3	4384.8	1531.8	1215.2	1234.5	1250.5	1224.8	1095.4	1025.9	973.4	971.3
45°	6874.0	4652.2	1485.8	1177.8	1216.3	1235.5	1111.4	1054.7	999.1	936.0	931.7
47.5°	7477.3	4989.2	1475.1	1142.5	1175.6	1187.4	1063.3	1037.6	974.5	906.1	900.7
50°	8134.1	5388.2	1504.0	1100.7	1116.8	1076.1	1047.3	1023.7	958.5	891.1	883.6
52.5°	8813.4	5827.8	1561.8	1044.0	1057.9	1013.0	1040.8	1020.5	948.8	857.9	851.5
55°	9480.9	6270.7	1617.4	977.7	998.0	956.3	1022.6	1007.7	905.0	802.3	796.9
57.5°	10159.1	6711.4	1672.0	918.9	940.3	901.8	993.8	973.4	855.8	750.9	748.8
60°	10864.0	7139.3	1697.6	862.2	877.2	851.5	949.9	914.6	800.1	698.5	695.3
62.5°	11524.1	7495.5	1655.9	805.5	815.1	804.4	892.1	845.1	744.5	639.7	638.6
65°	12186.2	7707.3	1527.6	749.9	752.0	746.7	810.8	770.2	679.3	588.3	581.9
67.5°	12786.3	7826.0	1323.2	690.0	684.6	682.5	734.9	688.9	616.2	537.0	530.6
70°	12913.6	7524.4	1010.9	619.4	619.4	614.0	651.5	604.4	546.6	482.4	480.3
72.5°	*11794.7*	*6329.5*	*717.8*	*539.1*	*547.7*	*537.0*	*568.0*	*528.4*	*476.0*	*433.2*	*420.4*
75°	9510.9	4641.5	522.0	456.8	471.7	453.6	482.4	454.6	409.7	408.6	368.0
77.5°	6534.9	2870.0	378.7	376.5	387.2	363.7	396.9	381.9	341.2	323.1	302.7
80°	2788.8	1144.6	276.0	291.0	291.0	269.6	308.1	312.4	277.1	268.5	268.5
82.5°	555.2	325.2	193.6	200.0	188.3	181.9	218.2	241.8	333.8	371.2	372.3
85°	166.9	119.8	116.6	109.1	96.3	97.3	128.4	242.8	299.5	171.2	147.6
87.5°	46.0	30.0	31.0	24.6	20.3	26.7	43.9	184.0	100.6	42.8	36.4
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)