

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: EPHESUS

Report Number: P575083

Luminaire Tested: **EPH-VN-03-730-U-RW**

Issue Date: 10/19/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P575083  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 10/19/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-03-730-U-RW  
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ RW distribution lens  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

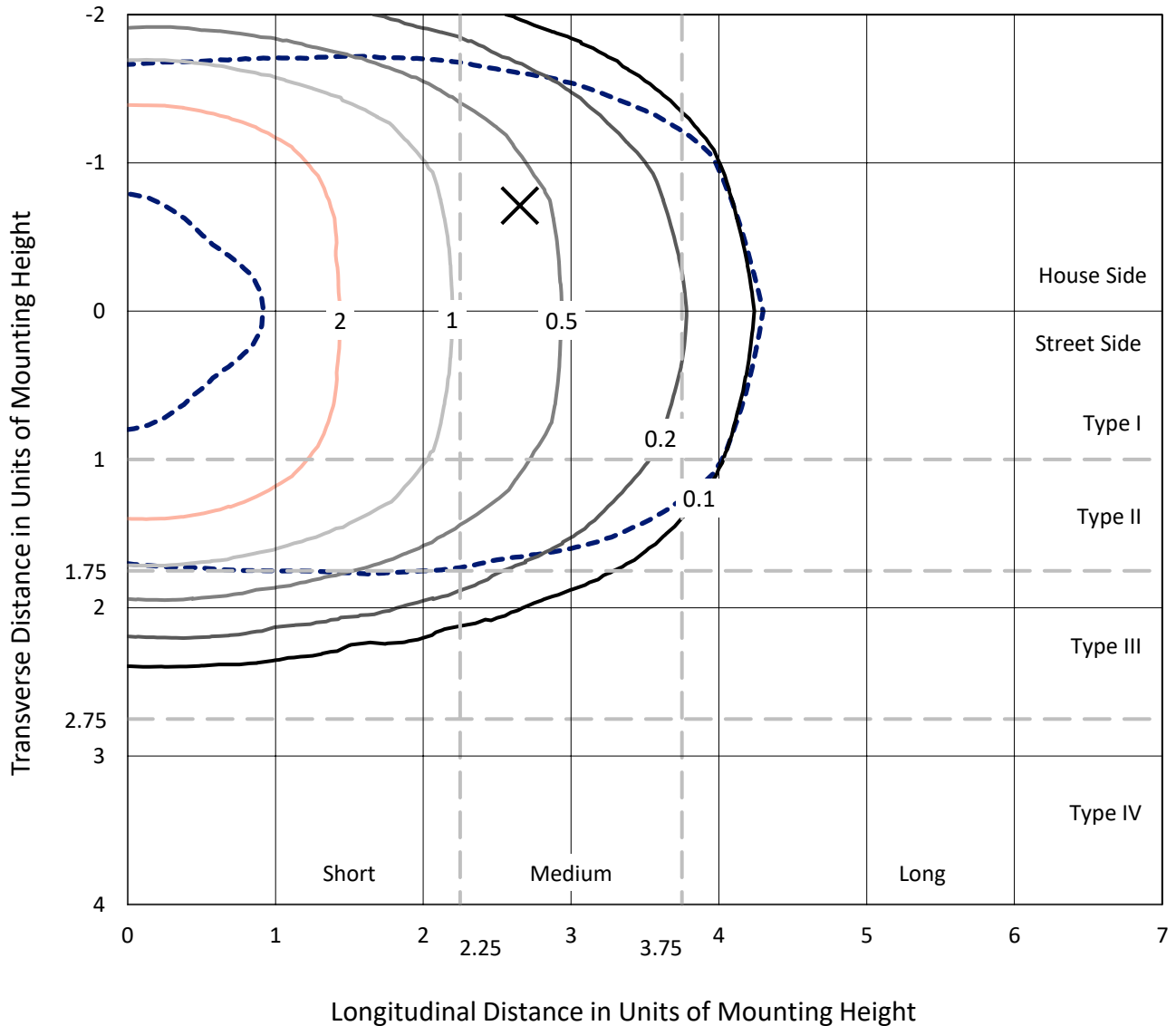
Lumens per Lamp: N/A  
Luminaire Lumens: 25299.5 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 232.1  
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

REPORT NUMBER: P575083  
 CATALOG NUMBER: EPH-VN-03-730-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

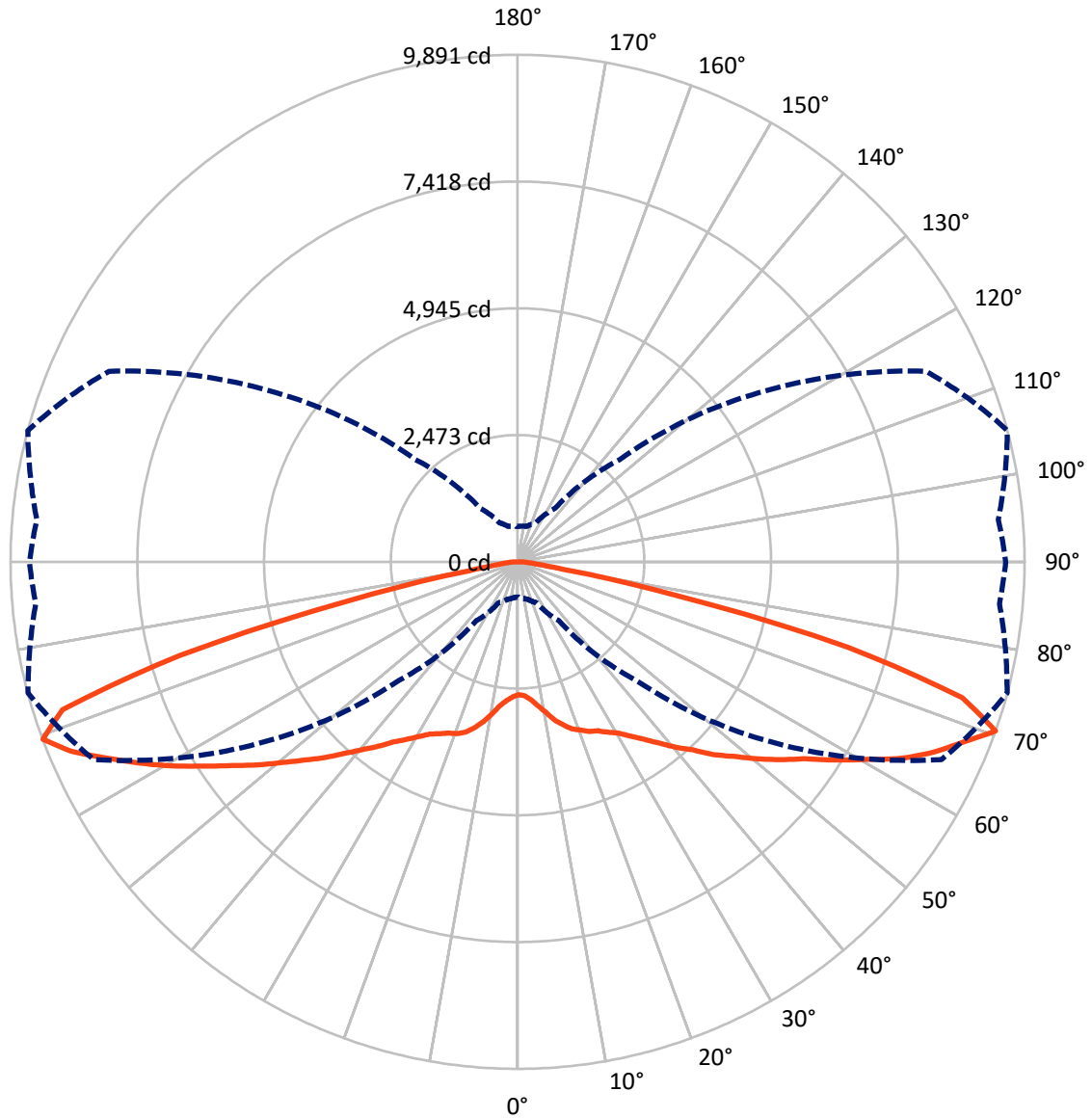
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P575083  
CATALOG NUMBER: EPH-VN-03-730-U-RW

### Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P575083  
 CATALOG NUMBER: EPH-VN-03-730-U-RW

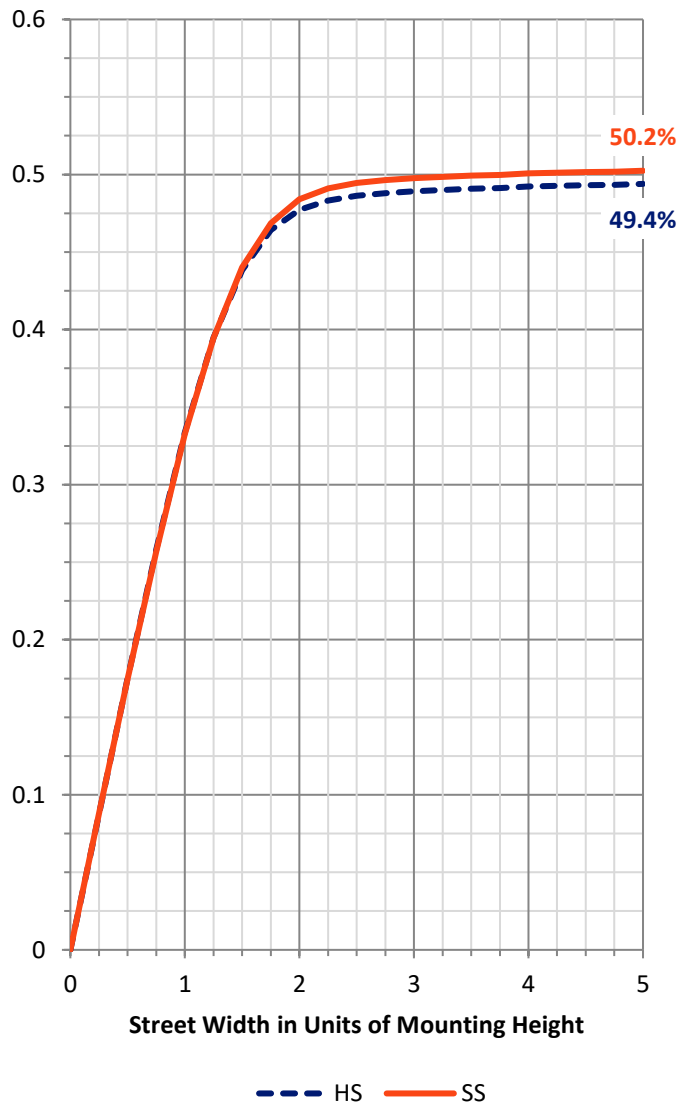
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12559.7	0.0	12559.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	12739.7	0.0	12739.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	25299.5	0.0	25299.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.9	1.0
10°-20°	878.0	3.5
20°-30°	1700.1	6.7
30°-40°	2875.5	11.4
40°-50°	4587.3	18.1
50°-60°	6279.0	24.8
60°-70°	5918.4	23.4
70°-80°	2607.2	10.3
80°-90°	196.2	0.8
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°	25299.5	100.0
0°-180°	25299.5	100.0

**Coefficient of Utilization**

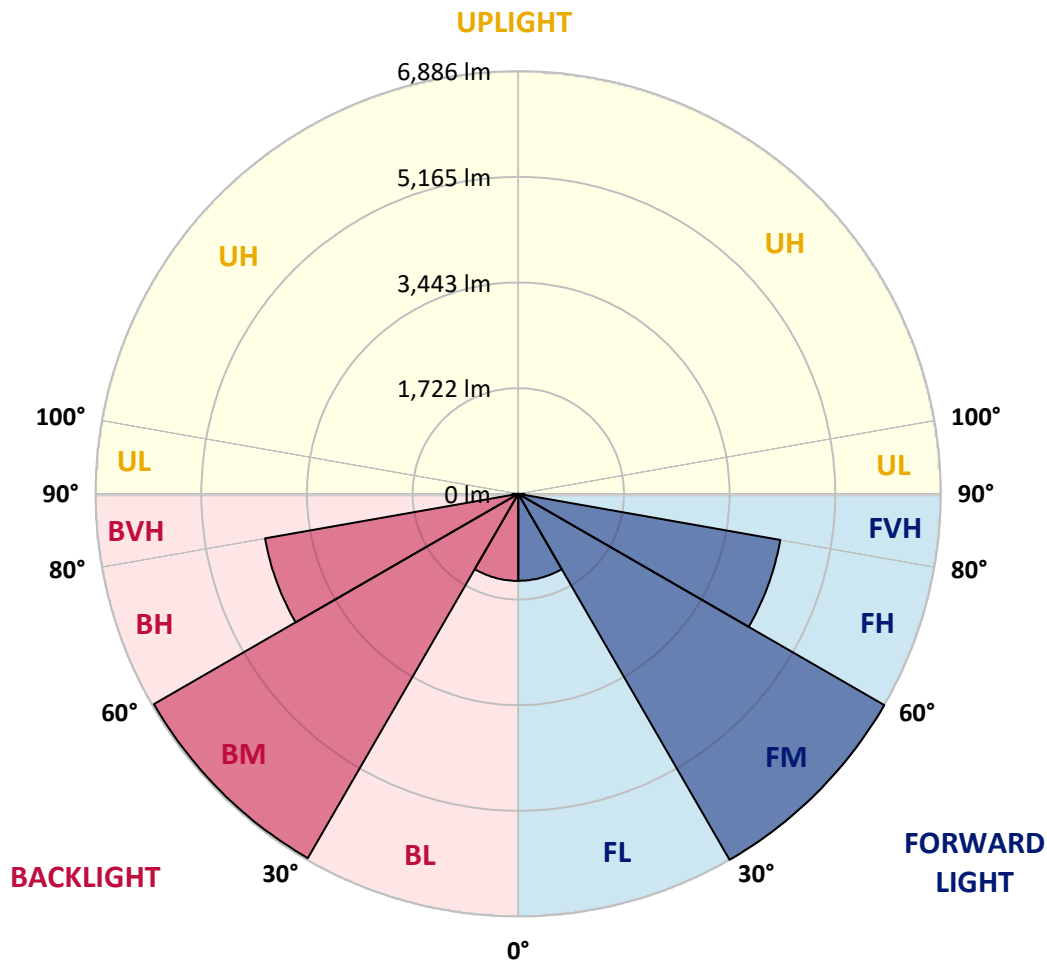


REPORT NUMBER: P575083  
 CATALOG NUMBER: EPH-VN-03-730-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1417.2	5.6			
FM (30°-60°)	6886.3	27.2			
FH (60°-80°)	4336.1	17.1			G2/5000
FVH (80°-90°)	100.2	0.4			G2/225
BL (0°-30°)	1418.7	5.6	B3/2500		
BM (30°-60°)	6855.5	27.1	B4/8500		
BH (60°-80°)	4189.5	16.6	B4/5000		G4/5000
BVH (80°-90°)	96.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Short





REPORT NUMBER: P575083  
 CATALOG NUMBER: EPH-VN-03-730-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6
2.5°	2574.3	2574.3	2571.6	2585.2	2598.8	2604.3	2615.2	2617.9	2634.3	2620.6
5°	2566.1	2563.4	2585.2	2617.9	2617.9	2653.4	2675.2	2705.2	2713.4	2729.7
7.5°	2623.4	2617.9	2607.0	2642.5	2672.4	2727.0	2757.0	2808.8	2827.9	2849.7
10°	2658.8	2658.8	2647.9	2710.6	2737.9	2811.5	2877.0	2928.8	3002.4	3027.0
12.5°	2664.3	2672.4	2705.2	2787.0	2863.3	2958.8	3007.9	3106.0	3179.7	3226.0
15°	2746.1	2729.7	2765.2	2877.0	2988.8	3073.3	3160.6	3231.5	3337.8	3397.8
17.5°	2819.7	2803.3	2868.8	3002.4	3116.9	3247.8	3324.2	3400.6	3476.9	3531.5
20°	2937.0	2950.6	3007.9	3152.4	3302.4	3416.9	3504.2	3517.8	3556.0	3635.1
22.5°	3081.5	3070.6	3190.6	3348.7	3512.4	3607.8	3656.9	3621.4	3602.4	3686.9
25°	3226.0	3258.8	3367.8	3515.1	3711.4	3839.6	3853.2	3755.1	3684.2	3714.2
27.5°	3446.9	3452.4	3566.9	3741.4	3940.5	4052.3	4044.1	3905.0	3768.7	3771.4
30°	3730.5	3703.3	3828.7	3986.9	4183.2	4284.1	4297.7	4098.7	3916.0	3861.4
32.5°	4003.2	4035.9	4145.0	4325.0	4469.5	4526.8	4496.8	4319.6	4082.3	4008.7
35°	4352.3	4346.8	4496.8	4649.5	4758.6	4769.5	4745.0	4485.9	4262.3	4166.8
37.5°	4725.9	4775.0	4873.1	4998.6	5113.1	5118.6	4984.9	4777.7	4502.3	4344.1
40°	5143.1	5197.6	5268.5	5451.3	5535.8	5448.5	5312.2	5031.3	4745.0	4605.9
42.5°	5511.2	5535.8	5680.3	5895.8	5936.7	5898.5	5696.7	5355.8	5023.1	4870.4
45°	5849.4	5882.1	6070.3	6263.9	6359.3	6293.9	6059.4	5734.9	5347.6	5216.7
47.5°	6160.3	6225.7	6408.4	6607.5	6754.8	6760.2	6471.1	6078.5	5669.4	5497.6
50°	6370.2	6465.7	6645.7	6872.0	7087.4	7172.0	6882.9	6460.2	6021.2	5838.5
52.5°	6484.8	6583.0	6762.9	7114.7	7354.7	7485.6	7349.2	6817.5	6433.0	6242.1
55°	6345.7	6411.2	6705.7	7199.3	7570.1	7785.6	7695.6	7311.1	6842.0	6686.6
57.5°	5753.9	5890.3	6253.0	6869.3	7564.7	8093.7	8085.5	7777.4	7313.8	7166.5
60°	4736.8	4851.3	5298.5	6160.3	7259.2	8219.1	8508.2	8230.1	7842.8	7671.0
62.5°	3343.3	3487.8	4005.9	4946.8	6359.3	8044.6	8993.6	8800.0	8360.9	8235.5
65°	1870.7	1958.0	2437.9	3288.7	4845.9	7084.7	9080.9	9391.8	8887.3	8696.4
67.5°	1000.8	1033.5	1257.1	1726.2	2964.2	5462.2	8200.1	9732.6	9457.2	9127.2
70°	687.2	698.1	755.4	883.5	1401.7	3266.9	6184.8	9124.5	9885.3	9435.4
72.5°	580.8	575.4	589.0	602.7	733.6	1461.7	3629.6	7022.0	9331.8	9162.7
75°	504.5	501.8	507.2	493.6	509.9	643.6	1606.2	4376.8	6831.1	7624.7
77.5°	417.2	420.0	422.7	409.0	403.6	425.4	646.3	1922.5	3362.4	3711.4
80°	316.3	321.8	343.6	330.0	308.1	310.9	381.8	643.6	965.4	875.4
82.5°	215.4	218.2	264.5	248.2	231.8	210.0	245.4	332.7	376.3	286.3
85°	152.7	150.0	171.8	158.2	147.3	106.4	147.3	188.2	226.3	141.8
87.5°	35.5	35.5	70.9	57.3	54.5	43.6	57.3	73.6	98.2	62.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P575083

CATALOG NUMBER: EPH-VN-03-730-U-RW

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2590.6	0°	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6	2590.6
2647.9	2.5°	2639.7	2615.2	2615.2	2609.7	2587.9	2582.5	2563.4	2568.8	2555.2	2541.6
2735.2	5°	2732.4	2699.7	2699.7	2653.4	2609.7	2604.3	2582.5	2582.5	2560.6	2566.1
2874.2	7.5°	2860.6	2830.6	2781.5	2740.6	2680.6	2656.1	2615.2	2609.7	2604.3	2593.4
3029.7	10°	3013.3	2975.1	2926.1	2841.5	2792.4	2746.1	2705.2	2647.9	2634.3	2637.0
3242.4	12.5°	3220.6	3160.6	3054.2	2980.6	2917.9	2857.9	2797.9	2713.4	2694.3	2702.4
3436.0	15°	3367.8	3291.5	3185.1	3157.9	3073.3	2999.7	2901.5	2806.1	2773.3	2765.2
3534.2	17.5°	3487.8	3425.1	3362.4	3321.5	3253.3	3163.3	3027.0	2917.9	2844.2	2836.1
3621.4	20°	3586.0	3504.2	3490.5	3515.1	3430.6	3370.6	3204.2	3070.6	2972.4	2931.5
3706.0	22.5°	3646.0	3594.2	3632.3	3654.2	3648.7	3547.8	3376.0	3220.6	3097.9	3059.7
3706.0	25°	3711.4	3651.4	3787.8	3861.4	3880.5	3714.2	3580.5	3376.0	3256.0	3231.5
3776.9	27.5°	3744.2	3766.0	3924.1	4079.6	4065.9	3937.8	3757.8	3575.1	3479.6	3436.0
3875.1	30°	3839.6	3875.1	4115.0	4289.6	4292.3	4166.8	4030.5	3823.2	3716.9	3697.8
4016.9	32.5°	4011.4	4055.0	4311.4	4496.8	4529.5	4434.1	4297.7	4169.6	4060.5	4016.9
4128.7	35°	4142.3	4254.1	4543.2	4712.2	4799.5	4742.2	4665.9	4532.3	4417.7	4379.5
4390.5	37.5°	4330.5	4485.9	4764.0	4993.1	5091.3	5085.8	5028.6	4884.0	4788.6	4755.9
4627.7	40°	4600.4	4755.9	5009.5	5312.2	5494.9	5486.7	5454.0	5342.2	5200.4	5184.0
4881.3	42.5°	4886.8	5014.9	5344.9	5691.2	5953.0	5925.7	5838.5	5707.6	5609.4	5587.6
5164.9	45°	5164.9	5364.0	5669.4	6113.9	6310.3	6378.4	6274.8	6051.2	5939.4	5925.7
5494.9	47.5°	5514.0	5672.1	6053.9	6452.1	6743.8	6754.8	6577.5	6370.2	6165.7	6209.4
5819.4	50°	5824.8	6034.8	6422.1	6858.4	7207.4	7082.0	6855.7	6596.6	6449.3	6392.1
6212.1	52.5°	6157.5	6413.9	6863.8	7308.3	7501.9	7376.5	7008.4	6719.3	6495.7	6471.1
6713.8	55°	6642.9	6776.6	7365.6	7706.5	7769.2	7504.7	6962.0	6553.0	6263.9	6193.0
7172.0	57.5°	7136.5	7292.0	7807.4	8101.9	8036.4	7433.8	6662.0	6029.4	5650.3	5549.4
7665.6	60°	7635.6	7826.5	8260.0	8530.0	8191.9	6945.6	5813.9	4998.6	4556.8	4466.8
8281.9	62.5°	8191.9	8440.0	8827.3	8922.7	7731.0	5980.3	4614.1	3607.8	3160.6	3010.6
8704.5	65°	8685.5	8939.1	9416.3	8840.9	6752.0	4461.4	2983.3	2061.6	1731.6	1611.7
9075.4	67.5°	9091.8	9378.1	9612.6	7823.7	4944.0	2612.5	1554.4	1085.3	962.6	919.0
9522.6	70°	9413.6	9890.8	8794.5	5751.2	2825.2	1273.5	839.9	714.5	698.1	687.2
9130.0	72.5°	9132.7	9070.0	6566.6	3318.7	1238.1	700.8	608.1	589.0	586.3	589.0
7747.4	75°	7469.2	6662.0	3926.9	1442.6	621.8	507.2	504.5	496.3	509.9	509.9
4003.2	77.5°	3624.2	3168.8	1641.6	619.0	409.0	398.1	411.8	411.8	411.8	411.8
902.6	80°	839.9	929.9	586.3	376.3	297.2	297.2	327.2	330.0	316.3	310.9
250.9	82.5°	286.3	381.8	321.8	237.2	196.3	220.9	248.2	253.6	210.0	212.7
128.2	85°	141.8	223.6	174.5	136.3	100.9	136.3	160.9	169.1	144.5	139.1
57.3	87.5°	65.4	98.2	65.4	46.4	35.5	49.1	46.4	38.2	21.8	21.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



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

Scaled Data Report

