

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: HALO

Report Number: P670599

Luminaire Tested: EWP15FSDBZ-13W-5000K

Issue Date: 4/4/2023

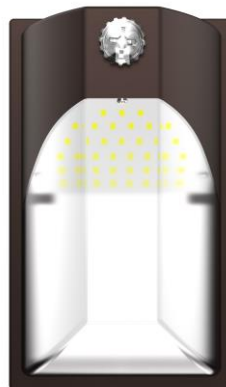
**Test Information**

Test Method: LM-79-2019  
Report Number: P670599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 2022-08-08)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: EWP15FSDBZ-13W-5000K  
Description: ENTRY WALL PACK  
Light Source: 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1659 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.52' x L: 0.4' x H: 0.32')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U3 - G2

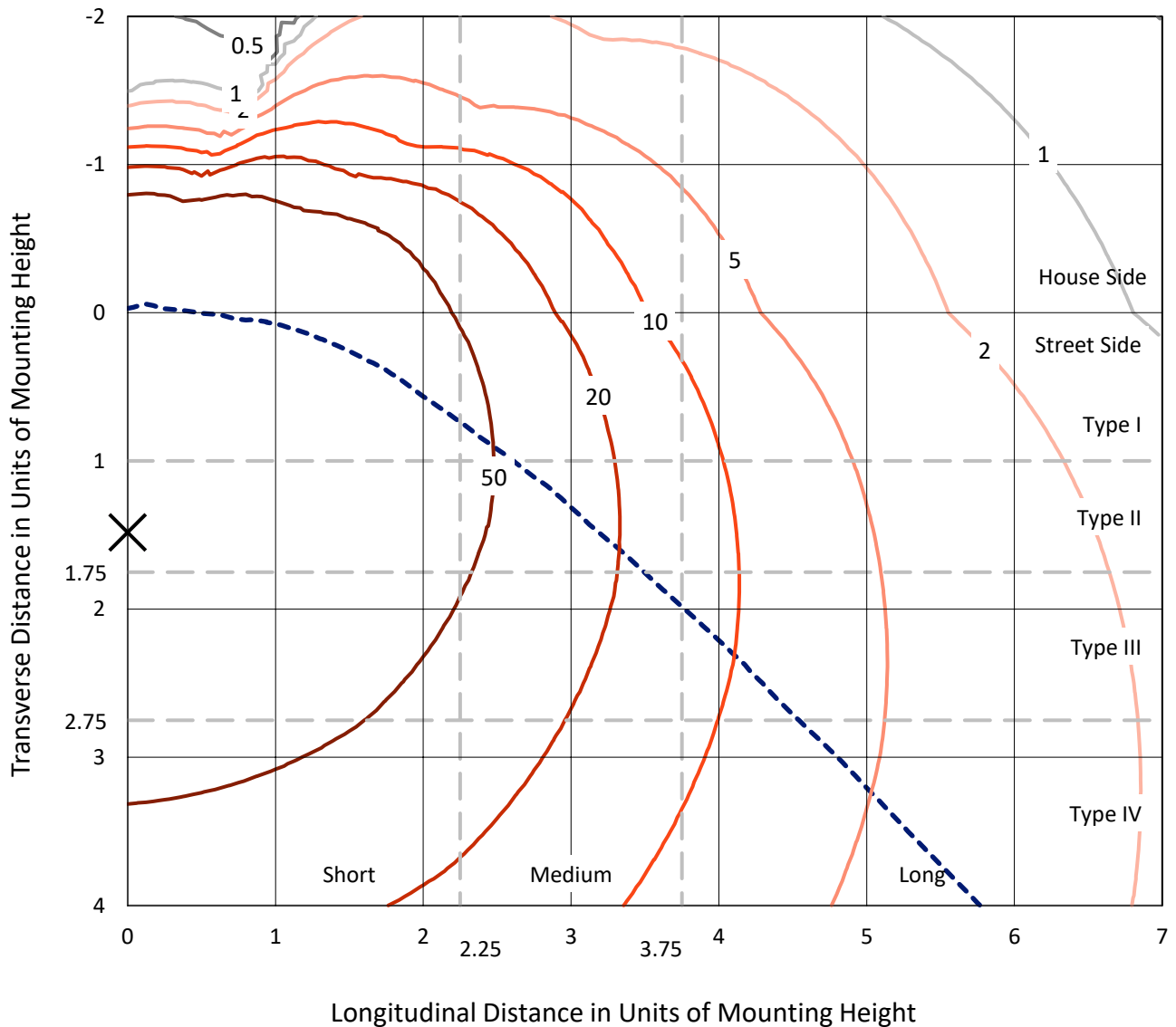
Input Watts (W): 13  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

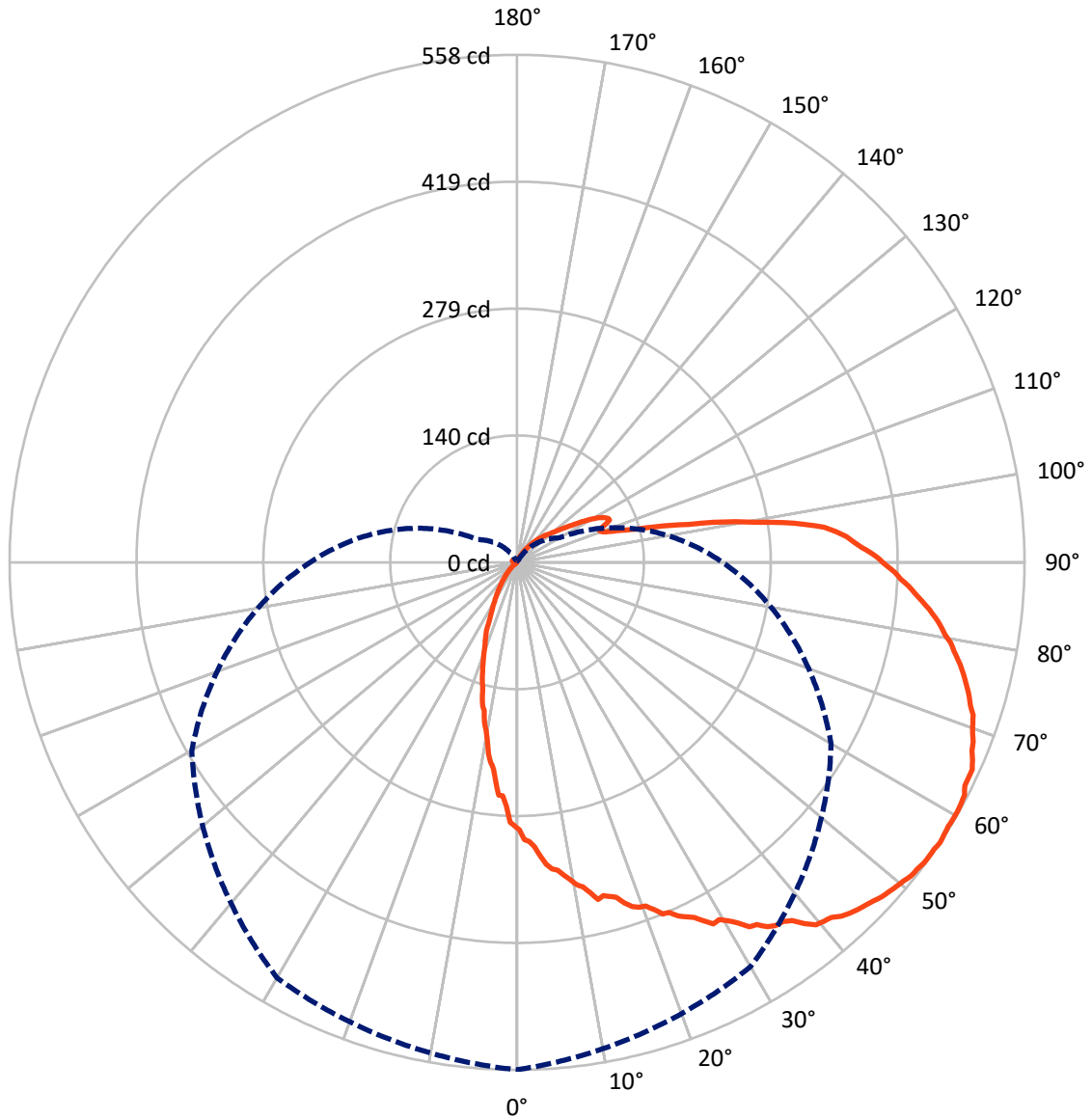
✕ Max cd  
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 1383.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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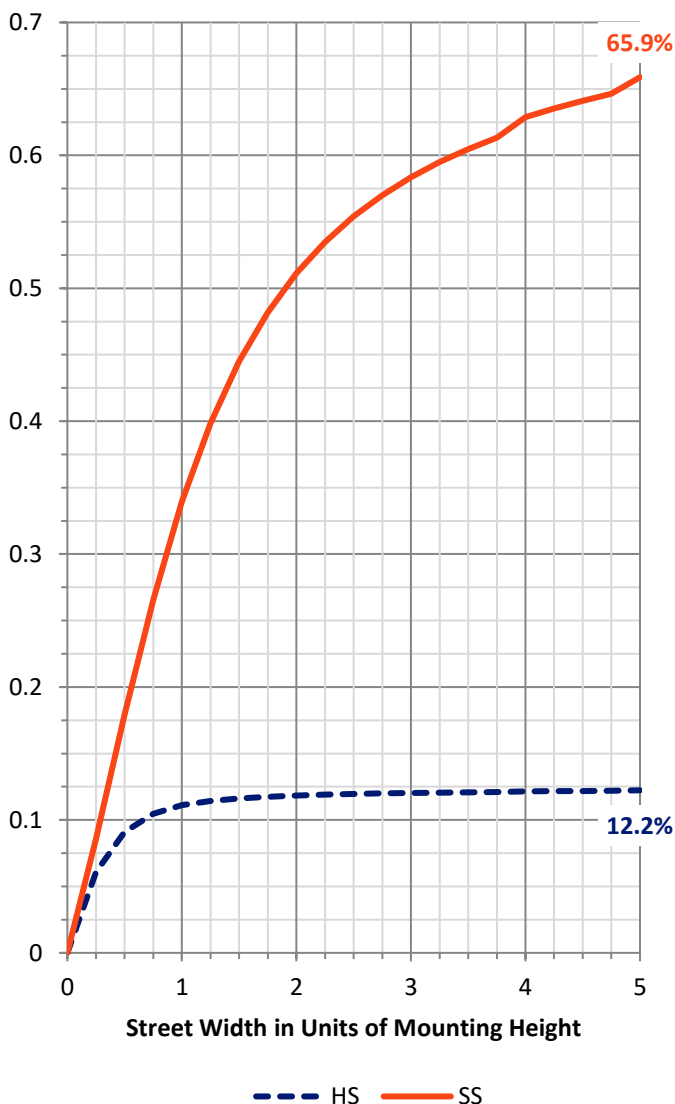
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	207.4	22.2	229.6
	% Fixture	12.5	1.3	13.8
<b>Street Side</b>	Lumens	1203.1	226.3	1429.4
	% Fixture	72.5	13.6	86.2
<b>Total</b>	Lumens	1410.5	248.5	1659.0
	% Fixture	85.0	15.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	1.7
10°-20°	77.0	4.6
20°-30°	118.9	7.2
30°-40°	160.6	9.7
40°-50°	199.6	12.0
50°-60°	223.2	13.5
60°-70°	225.6	13.6
70°-80°	207.0	12.5
80°-90°	170.8	10.3
90°-100°	122.9	7.4
100°-110°	56.9	3.4
110°-120°	34.4	2.1
120°-130°	18.6	1.1
130°-140°	9.5	0.6
140°-150°	4.2	0.3
150°-160°	1.4	0.1
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	1410.5	85.0
0°-180°	1659.0	100.0

**Coefficient of Utilization**



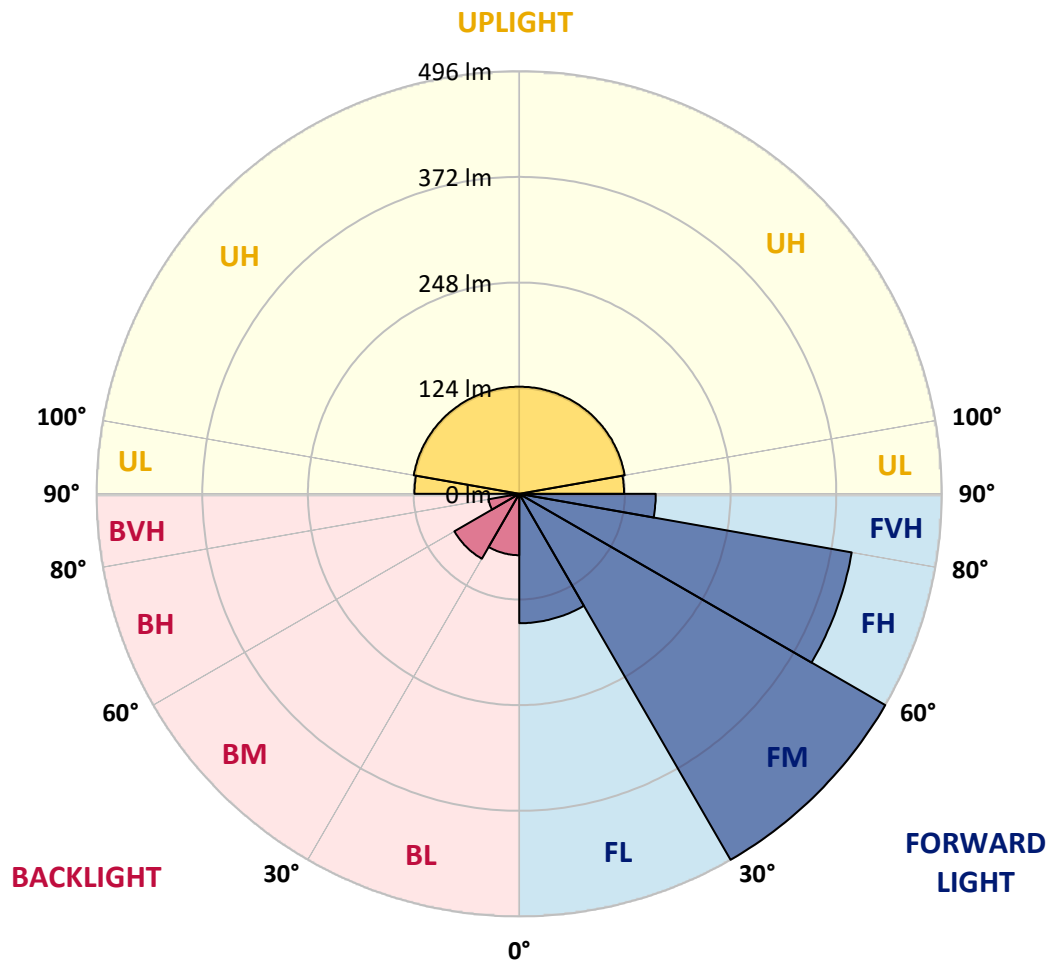
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.7	9.1			
FM (30°-60°)	495.5	29.9			
FH (60°-80°)	395.8	23.9			G0/660
FVH (80°-90°)	160.0	9.6			G2/225
BL (0°-30°)	72.0	4.3	B0/110		
BM (30°-60°)	87.9	5.3	B0/220		
BH (60°-80°)	36.8	2.2	B0/110		G0/110
BVH (80°-90°)	10.8	0.7			G1/100
UL (90°-100°)	122.9	7.4		U3/500	
UH (100°-180°)	125.6	7.6		U3/500	

**BUG Rating: B0-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1
1°	304.9	300.1	298.5	296.7	291.7	286.3	290.1	288.3	287.3	295.2	302.4
2°	307.1	306.6	308.3	299.7	290.1	291.1	286.1	287.7	288.6	294.3	305.7
3°	313.3	314.9	310.2	302.6	295.4	280.2	268.6	274.4	285.2	296.9	305.5
4°	323.7	319.0	310.9	302.3	292.9	266.1	257.1	261.2	279.5	300.0	309.6
5°	333.5	325.5	318.7	302.5	285.2	256.3	257.0	252.4	271.1	294.9	305.6
6°	339.3	335.6	323.4	304.8	276.9	257.0	243.2	250.4	263.1	288.1	308.3
7°	341.3	342.8	327.5	311.5	269.1	247.6	228.6	236.2	257.9	289.3	314.7
8°	347.7	346.4	323.6	305.2	264.3	234.2	221.9	225.0	249.8	287.8	316.2
9°	353.7	342.4	328.7	299.0	263.3	224.0	212.9	214.2	244.0	289.6	311.4
10°	360.7	346.3	333.6	297.4	263.7	223.2	198.2	213.6	245.8	278.2	316.5
11°	364.1	358.5	335.0	297.0	265.2	213.1	187.6	196.6	231.9	274.6	316.5
12°	372.2	361.5	337.6	297.0	254.9	199.4	179.9	188.3	220.7	276.1	318.8
13°	381.3	365.2	335.3	295.3	243.3	192.9	166.8	182.1	212.8	280.1	320.8
14°	378.6	369.1	335.8	292.9	232.3	183.1	162.1	167.9	209.4	274.9	319.6
15°	381.1	372.1	338.0	297.0	222.4	169.8	152.1	157.1	202.5	269.5	325.8
16°	384.1	375.2	341.3	299.3	218.0	162.7	141.3	153.3	201.3	270.6	329.8
17°	392.8	387.0	339.1	296.5	214.2	152.2	134.5	141.5	196.2	270.6	329.6
18°	399.1	385.5	346.0	292.9	207.9	138.4	125.8	128.6	185.0	273.7	333.5
19°	402.3	386.1	348.8	293.1	198.6	132.5	118.5	126.2	178.7	263.2	335.2
20°	403.4	392.7	351.5	286.4	191.5	122.7	110.4	113.2	173.6	262.7	342.1
21°	410.2	401.3	356.4	287.5	186.8	116.8	102.0	105.9	168.1	263.1	342.7
22°	418.5	404.5	355.9	283.6	187.2	110.1	95.9	99.5	165.2	266.0	345.8
23°	419.9	405.2	359.2	284.8	181.5	103.0	91.0	94.9	154.8	262.6	346.1
24°	427.2	414.4	360.4	284.1	167.2	95.8	85.5	89.8	146.9	264.7	355.6
25°	432.0	419.6	361.1	285.1	159.2	88.2	80.1	83.8	141.8	266.5	353.2
26°	436.4	417.2	364.6	279.6	152.4	83.8	70.5	79.3	136.2	262.3	354.8
27°	444.4	417.1	367.7	276.7	147.1	78.8	64.9	74.9	135.2	262.3	364.3
28°	452.3	425.4	367.9	273.0	141.4	74.1	59.7	71.4	129.1	259.0	359.5
29°	451.5	436.4	373.4	273.7	136.7	69.6	55.5	65.1	124.7	258.4	368.2
30°	457.4	438.0	378.0	272.3	133.3	64.1	51.2	60.1	120.7	261.4	372.5
31°	465.1	441.8	375.9	271.0	127.5	60.0	47.6	56.6	117.3	263.3	372.2
32°	475.2	447.4	377.8	274.4	122.9	56.0	44.1	52.9	114.5	264.4	380.1
33°	477.5	450.1	384.5	271.5	118.9	52.1	40.6	49.3	111.5	263.0	386.7
34°	486.3	452.4	387.7	271.6	115.9	47.3	37.5	45.3	108.8	262.5	385.6
35°	490.3	459.2	389.0	270.3	112.4	43.7	34.7	41.7	105.3	259.5	395.0
36°	491.4	466.3	394.2	269.1	109.3	40.1	31.8	38.5	102.8	260.6	396.3
37°	496.4	470.8	393.6	263.7	105.3	37.2	28.9	35.5	100.2	261.9	395.3
38°	507.6	473.0	401.5	264.7	101.4	34.4	26.4	32.7	97.5	264.1	399.7
39°	516.6	474.2	398.6	262.5	98.6	31.5	24.3	30.5	95.4	266.2	403.4
40°	519.1	475.5	400.2	264.0	95.8	28.8	21.8	27.9	93.5	266.5	404.3
41°	521.5	479.9	400.2	263.0	92.1	26.4	19.7	25.2	91.1	262.5	408.7
42°	527.8	486.7	404.1	264.4	89.4	24.1	17.8	23.0	88.5	262.1	413.1
43°	531.7	492.8	406.0	261.6	86.5	22.1	15.9	20.8	86.0	261.4	414.3
44°	535.0	498.5	409.3	261.1	83.4	19.8	14.2	18.8	82.7	260.8	415.5



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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	537.5	500.4	408.0	257.9	80.3	17.6	12.6	17.0	79.7	258.9	417.0
46°	540.8	503.0	409.3	255.4	77.5	15.7	11.1	15.3	77.3	258.2	417.0
47°	544.1	505.5	408.8	253.4	75.2	13.9	9.8	13.6	74.6	255.4	417.0
48°	546.5	504.5	409.9	250.8	72.4	12.4	8.5	12.2	72.0	252.3	418.7
49°	548.7	507.0	407.3	247.8	70.1	11.0	7.3	10.9	70.0	251.4	417.6
50°	550.7	508.2	408.2	244.8	67.8	9.6	6.2	9.6	67.8	249.2	418.4
51°	553.8	509.2	407.2	242.8	66.5	8.4	5.2	8.4	65.9	245.5	417.7
52°	554.3	510.6	405.9	238.8	62.7	7.3	4.3	7.3	64.4	243.6	416.7
53°	556.2	509.8	403.0	235.4	61.3	6.3	3.4	6.3	58.6	240.2	419.4
54°	556.6	509.6	400.9	231.7	57.9	5.3	2.7	5.3	55.3	236.5	417.9
55°	556.6	511.3	400.6	228.3	55.9	4.4	2.0	4.5	52.1	231.9	416.7
56°	558.0	513.3	398.6	225.8	53.8	3.5	1.5	3.7	49.8	227.4	412.9
57°	556.9	513.3	395.0	220.7	52.6	2.8	1.2	3.0	46.4	225.7	409.9
58°	556.0	511.1	390.6	215.5	49.2	2.2	1.2	2.4	44.2	220.1	407.4
59°	556.3	510.7	389.5	211.9	46.8	1.7	1.3	1.9	42.2	213.8	406.7
60°	556.2	506.8	385.0	209.1	45.3	1.3	1.3	1.5	40.9	206.8	402.7
61°	555.5	504.6	381.5	204.9	43.7	1.2	1.4	1.2	39.2	200.8	397.2
62°	554.5	502.9	379.7	198.8	41.9	1.3	1.4	1.2	37.8	195.9	394.2
63°	550.1	498.9	373.7	189.5	40.6	1.3	1.4	1.3	36.5	190.0	390.3
64°	549.9	496.6	369.4	182.2	39.1	1.4	1.5	1.3	35.2	185.6	385.3
65°	549.9	495.5	364.3	176.7	37.6	1.4	1.5	1.3	34.0	179.5	379.8
66°	546.0	492.0	358.8	171.5	36.2	1.4	1.6	1.4	32.8	173.7	375.6
67°	541.3	490.5	353.9	165.8	35.1	1.5	1.6	1.4	31.6	170.2	370.8
68°	538.9	484.8	348.6	158.7	33.9	1.5	1.6	1.4	30.6	163.5	366.5
69°	534.6	481.4	342.1	153.1	32.7	1.6	1.7	1.5	29.7	157.7	359.6
70°	531.5	475.8	338.3	148.5	31.7	1.6	1.7	1.5	28.7	151.4	353.8
71°	528.8	473.2	331.0	142.5	30.7	1.7	1.8	1.6	27.9	145.3	348.2
72°	522.6	468.1	326.5	138.6	29.9	1.7	1.8	1.7	27.2	139.0	342.5
73°	518.6	463.0	319.6	127.9	29.1	1.8	1.8	1.7	26.4	136.7	336.3
74°	513.5	459.6	311.3	122.4	28.4	1.8	1.9	1.8	25.9	125.0	328.6
75°	508.2	453.2	305.0	118.0	27.6	1.8	1.9	1.8	25.2	119.4	322.9
76°	503.0	444.1	297.1	111.5	27.0	1.9	2.0	1.8	24.5	114.5	315.8
77°	496.8	439.5	290.1	105.3	26.2	1.9	2.0	1.9	24.0	109.0	309.3
78°	490.4	433.8	283.0	100.8	25.5	2.0	2.0	1.9	23.4	103.2	300.3
79°	484.9	427.3	274.8	95.7	24.8	2.0	2.1	2.0	22.8	98.2	291.3
80°	476.5	419.4	268.8	88.2	24.1	2.1	2.1	2.0	22.3	92.8	281.2
81°	470.8	411.1	261.4	84.3	23.5	2.1	2.2	2.0	21.8	87.5	271.4
82°	463.6	405.2	254.2	79.6	22.8	2.1	2.2	2.1	21.3	83.2	263.4
83°	456.2	396.5	246.9	75.8	22.2	2.2	2.3	2.1	20.8	78.1	255.4
84°	447.5	389.9	240.5	72.5	21.6	2.2	2.3	2.2	20.4	73.8	247.0
85°	439.0	383.0	234.0	69.2	21.0	2.3	2.3	2.2	19.9	70.4	239.2
86°	431.4	374.7	227.6	66.3	20.6	2.3	2.4	2.2	19.4	66.9	230.8
87°	422.2	366.2	217.3	63.4	19.9	2.4	2.4	2.3	19.0	63.7	223.8
88°	415.6	356.8	208.1	61.0	19.4	2.4	2.4	2.3	18.5	60.7	215.7
89°	406.1	347.5	198.3	58.2	18.9	2.4	2.5	2.2	18.1	58.1	208.6





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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	398.3	338.2	189.9	55.7	18.4	2.4	2.5	2.2	17.6	55.3	200.7
91°	389.5	330.6	181.9	53.7	18.0	2.4	2.5	2.3	17.2	53.0	193.2
92°	379.1	318.8	174.4	51.2	17.5	2.4	2.6	2.3	16.9	50.8	185.8
93°	370.4	312.2	167.3	48.8	17.1	2.5	2.6	2.4	16.5	48.9	178.8
94°	363.1	302.7	159.1	47.0	16.8	2.6	2.7	2.5	16.2	47.0	170.2
95°	352.2	292.6	149.5	44.9	16.3	2.7	2.7	2.5	15.9	45.1	163.3
96°	339.8	278.4	138.7	42.5	15.9	2.7	2.8	2.6	15.5	43.3	155.3
97°	319.3	257.0	128.4	40.2	15.5	2.8	2.8	2.7	15.1	41.5	149.2
98°	296.2	232.6	117.2	37.7	15.1	2.9	2.9	2.8	14.7	39.4	142.0
99°	267.1	209.8	105.6	35.2	14.6	3.0	3.1	2.8	14.2	37.3	130.0
100°	244.2	196.3	93.3	32.6	14.1	3.0	3.2	2.9	13.8	35.2	120.4
101°	220.1	181.6	82.9	30.3	13.7	3.1	3.4	3.0	13.3	33.0	109.5
102°	193.0	162.9	74.7	28.1	13.2	3.3	3.5	3.1	12.9	31.0	100.1
103°	173.6	147.2	68.1	26.1	12.7	3.5	3.7	3.2	12.3	29.0	92.1
104°	155.8	134.6	63.0	24.3	12.2	3.7	4.1	3.4	11.9	27.2	84.9
105°	136.8	124.3	59.0	22.7	11.7	3.8	4.6	3.5	11.4	25.4	78.9
106°	125.5	111.6	55.7	21.0	11.2	3.9	5.0	3.6	11.0	23.8	73.1
107°	115.5	100.3	52.8	19.7	10.7	4.0	5.4	3.7	10.5	22.5	68.4
108°	106.2	94.9	50.5	18.3	10.2	4.0	5.6	3.8	10.1	21.2	64.0
109°	100.2	94.7	48.2	17.0	9.7	4.1	5.5	3.8	9.7	20.1	59.7
110°	97.2	98.1	46.6	15.9	9.2	4.1	5.3	3.8	9.3	19.1	55.8
111°	97.6	100.9	44.9	14.9	8.8	4.1	5.2	3.9	8.9	18.1	52.2
112°	101.7	100.0	43.0	13.8	8.3	4.1	5.1	3.9	8.6	17.1	48.5
113°	107.5	98.1	40.9	12.8	7.9	4.1	5.0	3.9	8.3	16.2	44.9
114°	111.6	94.6	38.7	12.0	7.5	4.1	4.8	3.8	8.0	15.4	41.5
115°	111.4	91.2	36.6	11.2	7.1	4.1	4.7	3.8	7.7	14.5	38.4
116°	109.3	86.8	34.7	10.5	6.8	4.0	4.6	3.7	7.4	13.7	35.5
117°	106.5	82.6	32.7	9.8	6.5	4.0	4.4	3.7	7.2	13.0	32.9
118°	102.7	77.9	30.6	9.2	6.3	3.9	4.4	3.7	7.0	12.4	30.4
119°	97.7	73.5	28.7	8.6	6.1	3.7	4.3	3.6	6.8	11.8	28.1
120°	92.9	69.4	26.9	8.1	5.9	3.6	4.2	3.6	6.6	11.4	26.0
121°	87.0	65.0	25.1	7.6	5.7	3.5	3.8	3.5	6.4	11.0	24.1
122°	81.0	61.3	23.4	7.2	5.5	3.5	3.5	3.5	6.3	10.8	22.3
123°	75.8	57.8	21.9	6.8	5.4	3.5	3.4	3.4	6.1	10.4	20.5
124°	71.1	54.7	20.4	6.5	5.2	3.4	3.7	3.3	6.0	10.2	18.9
125°	66.6	51.9	19.0	6.3	5.1	3.4	3.6	3.3	5.9	10.0	17.4
126°	62.5	49.1	17.8	6.2	5.0	3.3	3.4	3.2	5.7	9.8	16.0
127°	58.8	46.8	16.6	6.0	4.9	3.3	3.4	3.2	5.6	9.6	14.7
128°	55.3	44.9	15.6	6.0	4.8	3.3	3.2	3.2	5.5	9.4	13.5
129°	52.2	43.2	14.5	5.9	4.7	3.2	3.2	3.1	5.3	9.2	12.3
130°	49.3	41.1	13.6	5.8	4.6	3.1	3.0	3.0	5.2	9.1	11.2
131°	46.9	39.1	12.6	5.8	4.5	3.0	2.9	2.9	5.0	8.9	10.2
132°	45.1	37.1	11.8	5.8	4.5	3.0	2.9	2.9	4.8	8.7	9.3
133°	43.0	35.0	11.1	5.8	4.5	2.9	2.8	2.9	4.7	8.6	8.5
134°	40.9	33.1	10.4	5.9	4.5	2.9	2.9	2.9	4.6	8.5	7.8



REPORT NUMBER: P670599  
 CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	38.8	31.2	9.7	5.9	4.5	2.9	3.0	2.8	4.5	8.4	7.1
136°	36.7	28.9	8.9	6.0	4.4	2.9	3.1	2.8	4.4	8.3	6.5
137°	34.6	26.7	7.9	6.2	4.2	2.8	3.1	2.8	4.3	8.2	5.9
138°	32.7	24.6	6.9	6.3	3.9	2.8	2.9	2.7	4.3	8.1	5.3
139°	30.7	22.6	6.1	6.4	3.8	2.7	2.8	2.7	4.1	8.1	4.7
140°	28.4	20.8	5.3	6.4	3.8	2.7	2.7	2.6	4.0	7.9	4.2
141°	26.3	19.0	4.6	6.4	3.7	2.6	2.7	2.6	3.9	7.8	3.7
142°	24.1	17.4	3.8	6.3	3.7	2.6	2.6	2.5	3.7	7.7	3.3
143°	22.2	15.8	3.2	6.4	3.6	2.7	2.6	2.5	3.5	7.6	3.1
144°	20.3	14.3	2.9	6.4	3.5	2.8	2.5	2.5	3.3	7.6	2.9
145°	18.5	12.9	2.5	6.5	3.4	2.8	2.5	2.5	3.1	7.6	2.8
146°	16.9	11.6	2.2	6.5	3.3	2.8	2.5	2.5	2.9	7.6	2.8
147°	15.3	10.5	2.2	6.5	3.2	2.8	2.5	2.5	2.7	7.6	2.8
148°	13.8	9.6	2.1	6.4	3.0	2.8	2.5	2.4	2.5	7.5	2.9
149°	12.4	8.3	2.0	6.2	2.9	2.7	2.4	2.4	2.3	7.3	2.9
150°	11.2	7.1	1.8	5.8	2.7	2.6	2.4	2.3	2.2	6.9	2.8
151°	10.1	6.0	1.8	5.3	2.5	2.4	2.4	2.3	2.2	6.3	2.6
152°	9.0	5.1	1.6	4.9	2.4	2.4	2.4	2.3	2.2	5.8	2.5
153°	8.1	4.1	1.6	4.4	2.3	2.4	2.3	2.2	2.2	5.3	2.3
154°	7.2	2.8	1.6	4.0	2.3	2.3	2.3	2.2	2.2	4.8	2.2
155°	6.4	1.8	1.6	3.5	2.4	2.3	2.3	2.2	2.2	4.3	2.0
156°	5.7	1.3	1.4	2.9	2.3	2.3	2.3	2.2	2.1	3.5	1.9
157°	4.1	1.1	1.3	2.5	2.2	2.3	2.3	2.2	2.1	2.9	1.7
158°	2.4	1.0	1.3	2.1	2.1	2.4	2.3	2.2	2.0	2.4	1.6
159°	1.4	1.0	1.4	1.9	2.1	2.4	2.2	2.2	2.0	2.1	1.5
160°	1.1	1.0	1.4	1.8	2.1	2.4	2.2	2.1	1.9	1.9	1.5
161°	1.1	1.0	1.5	1.8	2.1	2.4	2.2	2.1	1.9	1.8	1.5
162°	1.1	1.0	1.4	1.8	2.0	2.3	2.2	2.0	1.8	1.8	1.5
163°	1.1	1.1	1.4	1.8	2.1	2.2	2.1	2.0	1.8	1.8	1.5
164°	1.1	1.2	1.4	1.8	2.1	2.2	2.1	2.0	1.8	1.8	1.5
165°	1.2	1.4	1.4	1.9	2.1	2.1	2.0	1.9	1.8	1.9	1.5
166°	1.4	1.5	1.4	2.1	2.1	2.1	2.0	1.9	1.8	2.1	1.5
167°	1.4	1.6	1.3	2.2	2.1	2.0	2.0	1.9	1.8	2.2	1.5
168°	1.3	1.7	1.3	2.1	2.0	2.0	1.9	1.9	1.8	2.3	1.6
169°	1.2	1.7	1.3	2.0	2.0	2.0	1.9	1.8	1.8	2.2	1.7
170°	1.3	1.6	1.3	2.0	1.9	2.0	1.9	1.8	1.7	2.1	1.6
171°	1.3	1.6	1.3	2.0	1.9	1.9	1.8	1.8	1.7	2.1	1.6
172°	1.3	1.3	1.3	2.0	1.9	1.9	1.8	1.7	1.6	2.1	1.7
173°	1.3	1.2	1.3	1.9	1.8	1.9	1.8	1.7	1.6	2.1	1.7
174°	1.3	1.2	1.3	1.8	1.8	1.8	1.9	1.7	1.7	2.0	1.7
175°	1.3	1.3	1.3	1.8	1.8	1.8	1.7	1.6	1.6	1.8	1.6
176°	1.4	1.3	1.3	1.8	1.8	1.8	1.7	1.6	1.6	1.8	1.7
177°	1.4	1.3	1.3	1.8	1.8	1.7	1.6	1.6	1.5	1.8	1.7
178°	1.4	1.4	1.4	1.8	1.8	1.7	1.6	1.6	1.5	1.8	1.7
179°	1.5	1.4	1.5	1.8	1.8	1.7	1.6	1.5	1.5	1.8	1.7



REPORT NUMBER: P670599  
CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P670599  
CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	294.1	294.1
1°	303.0	304.9
2°	307.9	307.1
3°	312.4	313.3
4°	317.4	323.7
5°	323.7	333.5
6°	325.8	339.3
7°	334.0	341.3
8°	333.4	347.7
9°	336.7	353.7
10°	343.6	360.7
11°	350.2	364.1
12°	354.1	372.2
13°	354.9	381.3
14°	360.6	378.6
15°	367.9	381.1
16°	371.1	384.1
17°	375.8	392.8
18°	383.4	399.1
19°	382.1	402.3
20°	386.4	403.4
21°	396.6	410.2
22°	402.9	418.5
23°	400.8	419.9
24°	408.6	427.2
25°	416.8	432.0
26°	416.4	436.4
27°	423.4	444.4
28°	433.7	452.3
29°	443.5	451.5
30°	443.1	457.4
31°	449.6	465.1
32°	453.4	475.2
33°	456.7	477.5
34°	458.1	486.3
35°	465.0	490.3
36°	472.1	491.4
37°	478.4	496.4
38°	482.6	507.6
39°	484.6	516.6
40°	488.2	519.1
41°	495.6	521.5
42°	504.1	527.8
43°	509.0	531.7
44°	510.7	535.0



REPORT NUMBER: P670599  
CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	513.3	537.5
46°	516.7	540.8
47°	520.1	544.1
48°	523.6	546.5
49°	522.6	548.7
50°	523.7	550.7
51°	526.4	553.8
52°	526.6	554.3
53°	526.2	556.2
54°	527.8	556.6
55°	526.8	556.6
56°	527.6	558.0
57°	529.5	556.9
58°	526.4	556.0
59°	526.9	556.3
60°	525.0	556.2
61°	522.5	555.5
62°	521.2	554.5
63°	517.2	550.1
64°	518.5	549.9
65°	514.9	549.9
66°	511.4	546.0
67°	508.1	541.3
68°	503.8	538.9
69°	499.1	534.6
70°	493.7	531.5
71°	490.1	528.8
72°	485.3	522.6
73°	480.1	518.6
74°	473.2	513.5
75°	469.4	508.2
76°	462.0	503.0
77°	456.8	496.8
78°	451.0	490.4
79°	444.4	484.9
80°	437.7	476.5
81°	430.4	470.8
82°	422.4	463.6
83°	416.2	456.2
84°	408.0	447.5
85°	399.1	439.0
86°	390.4	431.4
87°	380.3	422.2
88°	374.0	415.6
89°	363.8	406.1



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**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	355.8	398.3
91°	347.5	389.5
92°	336.9	379.1
93°	328.1	370.4
94°	318.0	363.1
95°	307.8	352.2
96°	287.1	339.8
97°	265.4	319.3
98°	237.1	296.2
99°	215.9	267.1
100°	198.7	244.2
101°	186.5	220.1
102°	171.9	193.0
103°	153.4	173.6
104°	140.3	155.8
105°	128.3	136.8
106°	116.1	125.5
107°	103.8	115.5
108°	97.6	106.2
109°	100.1	100.2
110°	102.9	97.2
111°	104.7	97.6
112°	104.4	101.7
113°	102.9	107.5
114°	99.8	111.6
115°	95.8	111.4
116°	90.9	109.3
117°	85.7	106.5
118°	80.2	102.7
119°	74.8	97.7
120°	69.5	92.9
121°	64.4	87.0
122°	60.2	81.0
123°	56.2	75.8
124°	52.6	71.1
125°	49.4	66.6
126°	46.4	62.5
127°	44.4	58.8
128°	42.4	55.3
129°	40.3	52.2
130°	38.3	49.3
131°	36.1	46.9
132°	34.2	45.1
133°	32.2	43.0
134°	30.3	40.9



REPORT NUMBER: P670599  
CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	28.3	38.8
136°	26.2	36.7
137°	24.0	34.6
138°	22.1	32.7
139°	20.4	30.7
140°	18.7	28.4
141°	17.0	26.3
142°	15.5	24.1
143°	14.1	22.2
144°	12.7	20.3
145°	11.5	18.5
146°	10.3	16.9
147°	9.3	15.3
148°	8.3	13.8
149°	7.2	12.4
150°	6.2	11.2
151°	5.4	10.1
152°	4.5	9.0
153°	3.6	8.1
154°	2.3	7.2
155°	1.6	6.4
156°	1.2	5.7
157°	1.1	4.1
158°	1.1	2.4
159°	1.1	1.4
160°	1.1	1.1
161°	1.1	1.1
162°	1.2	1.1
163°	1.2	1.1
164°	1.4	1.1
165°	1.5	1.2
166°	1.7	1.4
167°	1.8	1.4
168°	2.0	1.3
169°	2.1	1.2
170°	2.0	1.3
171°	1.9	1.3
172°	1.6	1.3
173°	1.4	1.3
174°	1.4	1.3
175°	1.5	1.3
176°	1.5	1.4
177°	1.5	1.4
178°	1.6	1.4
179°	1.6	1.5

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

Scaled Data Report



REPORT NUMBER: P670599  
CATALOG NUMBER: EWP15FSDBZ-13W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	1.5	1.5

(END OF REPORT)