

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: FAIL-SAFE

Report Number: P365661

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3103.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

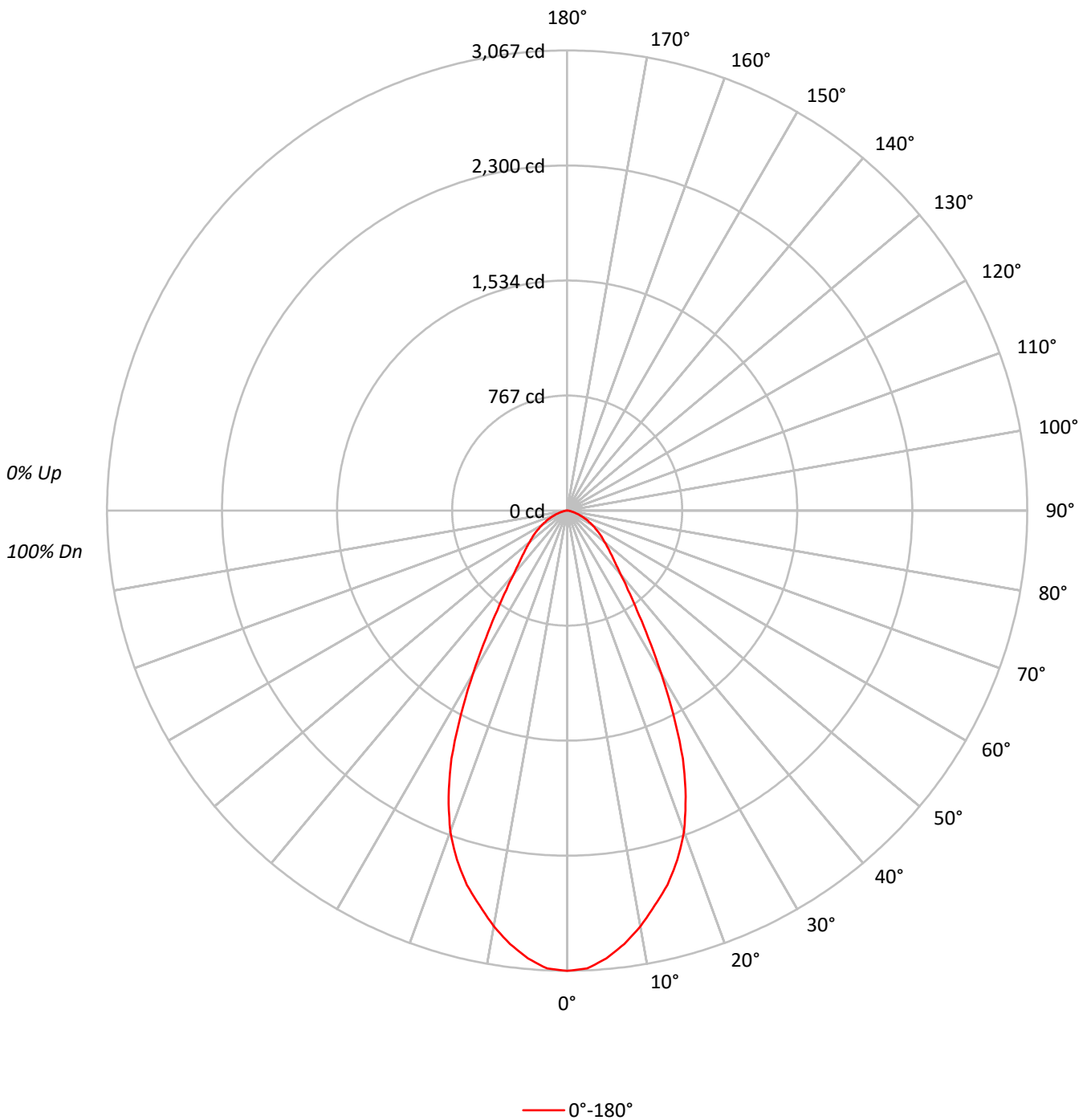
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219632
5°	215331
10°	204509
15°	191442
20°	173531
25°	144103
30°	103373
35°	70881
40°	51997
45°	42205
50°	36325
55°	32220
60°	27968
65°	23635
70°	18611
75°	13500
80°	8618
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.1	9.0
10°-20°	719.9	23.2
20°-30°	817.4	26.3
30°-40°	523.1	16.9
40°-50°	326.8	10.5
50°-60°	231.4	7.5
60°-70°	138.4	4.5
70°-80°	53.9	1.7
80°-90°	11.9	0.4
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
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0°-30°	1817.4	58.6
0°-40°	2340.5	75.4
0°-60°	2898.8	93.4
0°-90°	3103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3103.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3067	
5°	2996	280
15°	2583	720
25°	1824	817
35°	811	523
45°	417	327
55°	258	231
65°	140	138
75°	49	54
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3067.4
2.5°	3055.2
5°	2995.9
7.5°	2913.9
10°	2812.8
12.5°	2696.0
15°	2582.6
17.5°	2441.4
20°	2277.4
22.5°	2064.7
25°	1824.0
27.5°	1532.8
30°	1250.3
32.5°	1004.4
35°	810.9
37.5°	666.1
40°	556.3
42.5°	474.3
45°	416.8
47.5°	367.9
50°	326.1
52.5°	293.0
55°	258.1
57.5°	225.0
60°	195.3
62.5°	165.7
65°	139.5
67.5°	113.3
70°	88.9
72.5°	68.0
75°	48.8
77.5°	33.1
80°	20.9
82.5°	14.0
85°	12.2
87.5°	7.0
90°	0.0

(END OF REPORT)