

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: P365619

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2907.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

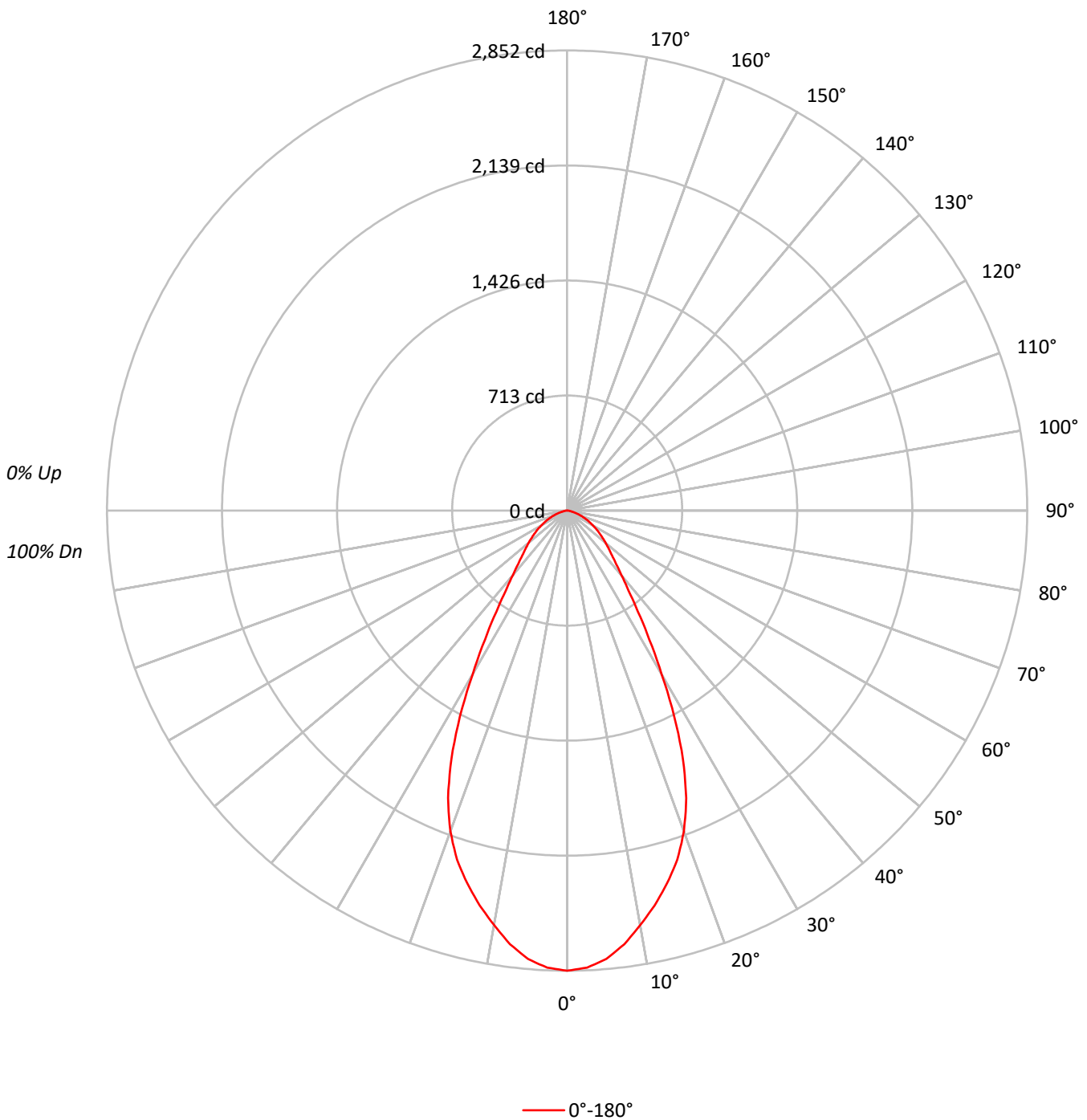
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	93	89	94	90	87	91	88	85	88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	204180
5°	200489
10°	189604
15°	177299
20°	161187
25°	134164
30°	96850
35°	66921
40°	48931
45°	39755
50°	34621
55°	30435
60°	26478
65°	22449
70°	18151
75°	12670
80°	8082
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	9.0
10°-20°	668.3	23.0
20°-30°	763.3	26.3
30°-40°	492.3	16.9
40°-50°	309.1	10.6
50°-60°	219.3	7.5
60°-70°	132.1	4.5
70°-80°	51.0	1.8
80°-90°	11.1	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
0°-30°	1692.0	58.2
0°-40°	2184.3	75.1
0°-60°	2712.7	93.3
0°-90°	2907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2907.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2852	
5°	2789	260
15°	2392	668
25°	1698	763
35°	766	492
45°	393	309
55°	244	219
65°	132	132
75°	46	51
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2851.6
2.5°	2835.2
5°	2789.4
7.5°	2710.9
10°	2607.8
12.5°	2506.4
15°	2391.8
17.5°	2269.1
20°	2115.4
22.5°	1928.8
25°	1698.2
27.5°	1438.0
30°	1171.4
32.5°	947.2
35°	765.6
37.5°	625.0
40°	523.5
42.5°	449.9
45°	392.6
47.5°	348.5
50°	310.8
52.5°	276.5
55°	243.8
57.5°	214.3
60°	184.9
62.5°	158.7
65°	132.5
67.5°	108.0
70°	86.7
72.5°	63.8
75°	45.8
77.5°	31.1
80°	19.6
82.5°	13.1
85°	11.5
87.5°	6.5
90°	0.0

(END OF REPORT)