

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: P366365

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4572.0 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

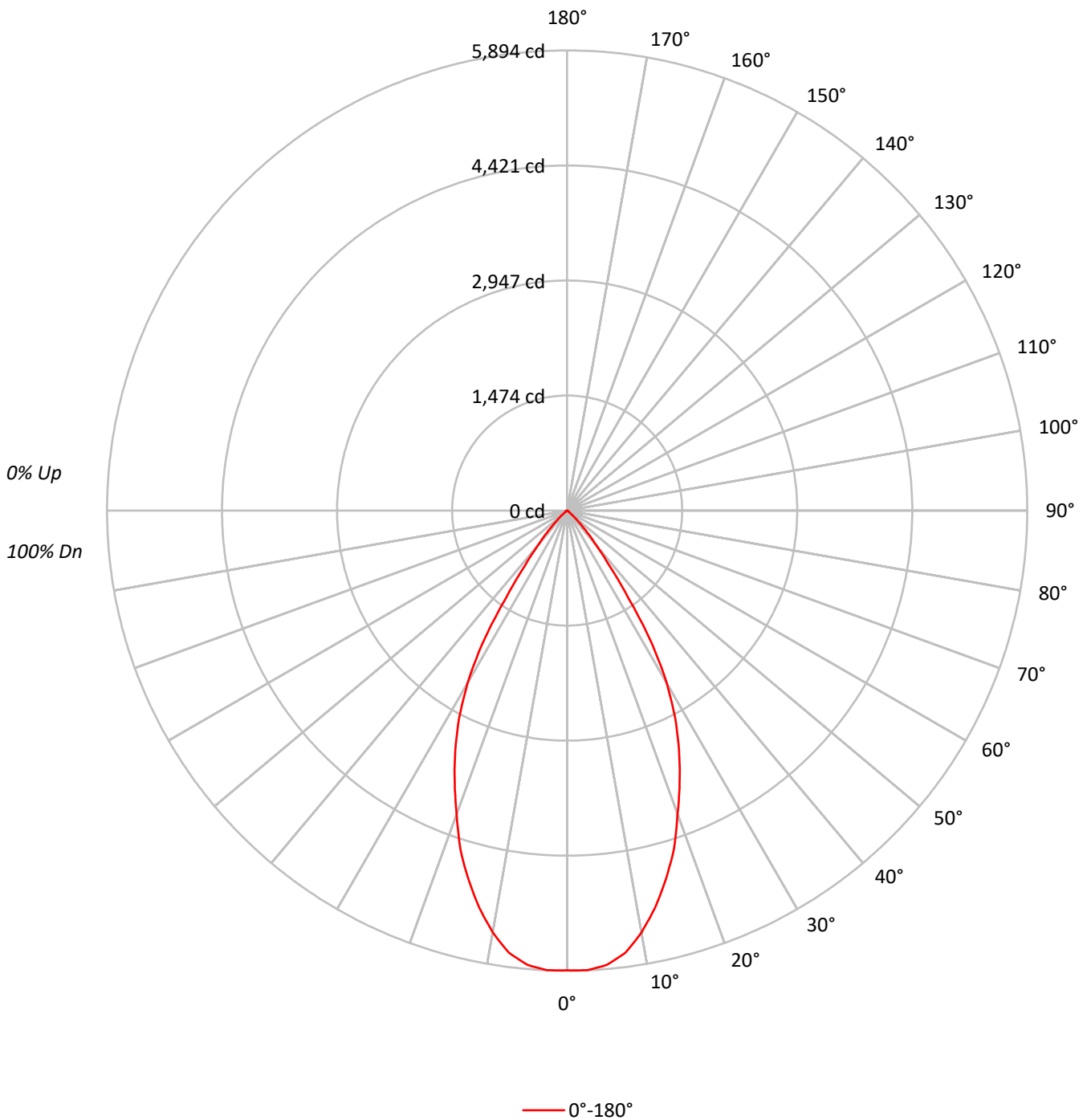
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160840
5°	160163
10°	152147
15°	138202
20°	120258
25°	102244
30°	80429
35°	45887
40°	20649
45°	8692
50°	2741
55°	829
60°	574
65°	452
70°	415
75°	549
80°	267
85°	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.4	12.0
10°-20°	1359.4	29.7
20°-30°	1540.5	33.7
30°-40°	893.1	19.5
40°-50°	198.0	4.3
50°-60°	21.7	0.5
60°-70°	7.1	0.2
70°-80°	4.6	0.1
80°-90°	1.2	0.0
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°	3446.3	75.4
0°-40°	4339.4	94.9
0°-60°	4559.1	99.7
0°-90°	4572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4572.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5888	
5°	5841	546
15°	4887	1359
25°	3392	1540
35°	1376	893
45°	225	198
55°	17	22
65°	7	7
75°	5	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5888.3
2.5°	5893.5
5°	5841.2
7.5°	5713.9
10°	5485.4
12.5°	5208.0
15°	4887.1
17.5°	4548.8
20°	4137.1
22.5°	3765.6
25°	3392.4
27.5°	2994.7
30°	2550.0
32.5°	2025.0
35°	1376.1
37.5°	884.3
40°	579.1
42.5°	378.5
45°	225.0
47.5°	125.6
50°	64.5
52.5°	29.7
55°	17.4
57.5°	14.0
60°	10.5
62.5°	8.7
65°	7.0
67.5°	5.2
70°	5.2
72.5°	5.2
75°	5.2
77.5°	3.5
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)