

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: P366392

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3787.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

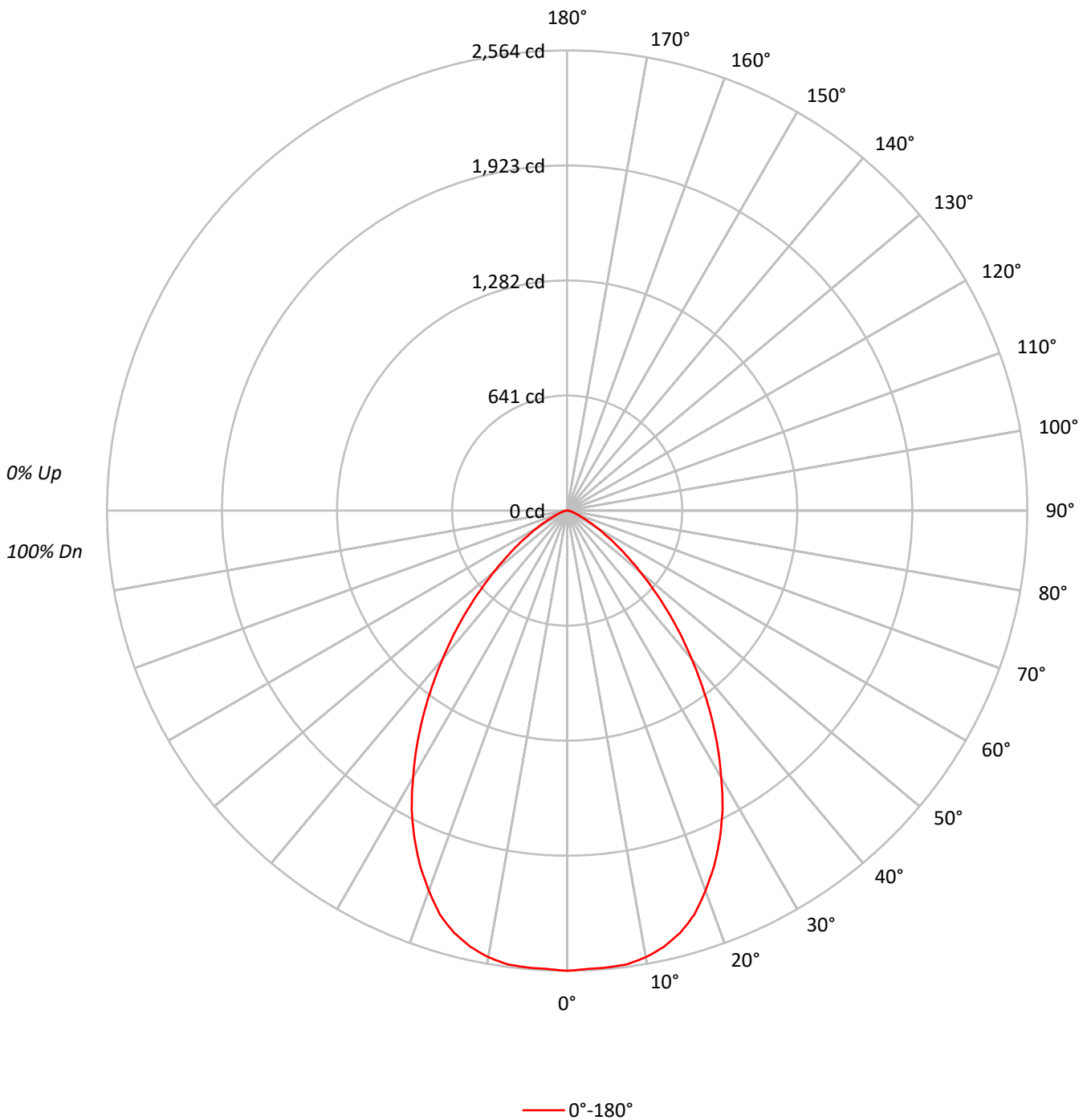
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183594
5°	183663
10°	183736
15°	180531
20°	171725
25°	159106
30°	142009
35°	122234
40°	100872
45°	79824
50°	59328
55°	41832
60°	27782
65°	17027
70°	11075
75°	8299
80°	7257
85°	8708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.2	6.4
10°-20°	681.8	18.0
20°-30°	920.4	24.3
30°-40°	870.9	23.0
40°-50°	610.5	16.1
50°-60°	307.2	8.1
60°-70°	108.5	2.9
70°-80°	33.9	0.9
80°-90°	10.6	0.3
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°	1845.4	48.7
0°-40°	2716.3	71.7
0°-60°	3634.0	96.0
0°-90°	3787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2564	
5°	2555	243
15°	2435	682
25°	2014	920
35°	1398	871
45°	788	610
55°	335	307
65°	100	109
75°	30	34
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2564.1
2.5°	2557.0
5°	2555.3
7.5°	2550.0
10°	2527.1
12.5°	2490.0
15°	2435.4
17.5°	2359.5
20°	2253.7
22.5°	2140.9
25°	2013.9
27.5°	1876.3
30°	1717.6
32.5°	1560.7
35°	1398.4
37.5°	1238.0
40°	1079.2
42.5°	932.9
45°	788.3
47.5°	656.0
50°	532.6
52.5°	426.8
55°	335.1
57.5°	257.5
60°	194.0
62.5°	142.8
65°	100.5
67.5°	74.1
70°	52.9
72.5°	40.6
75°	30.0
77.5°	22.9
80°	17.6
82.5°	14.1
85°	10.6
87.5°	5.3
90°	0.0

(END OF REPORT)