

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: P365695

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129.0 lumens
Efficiency: N/A
Efficacy: 56.8 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

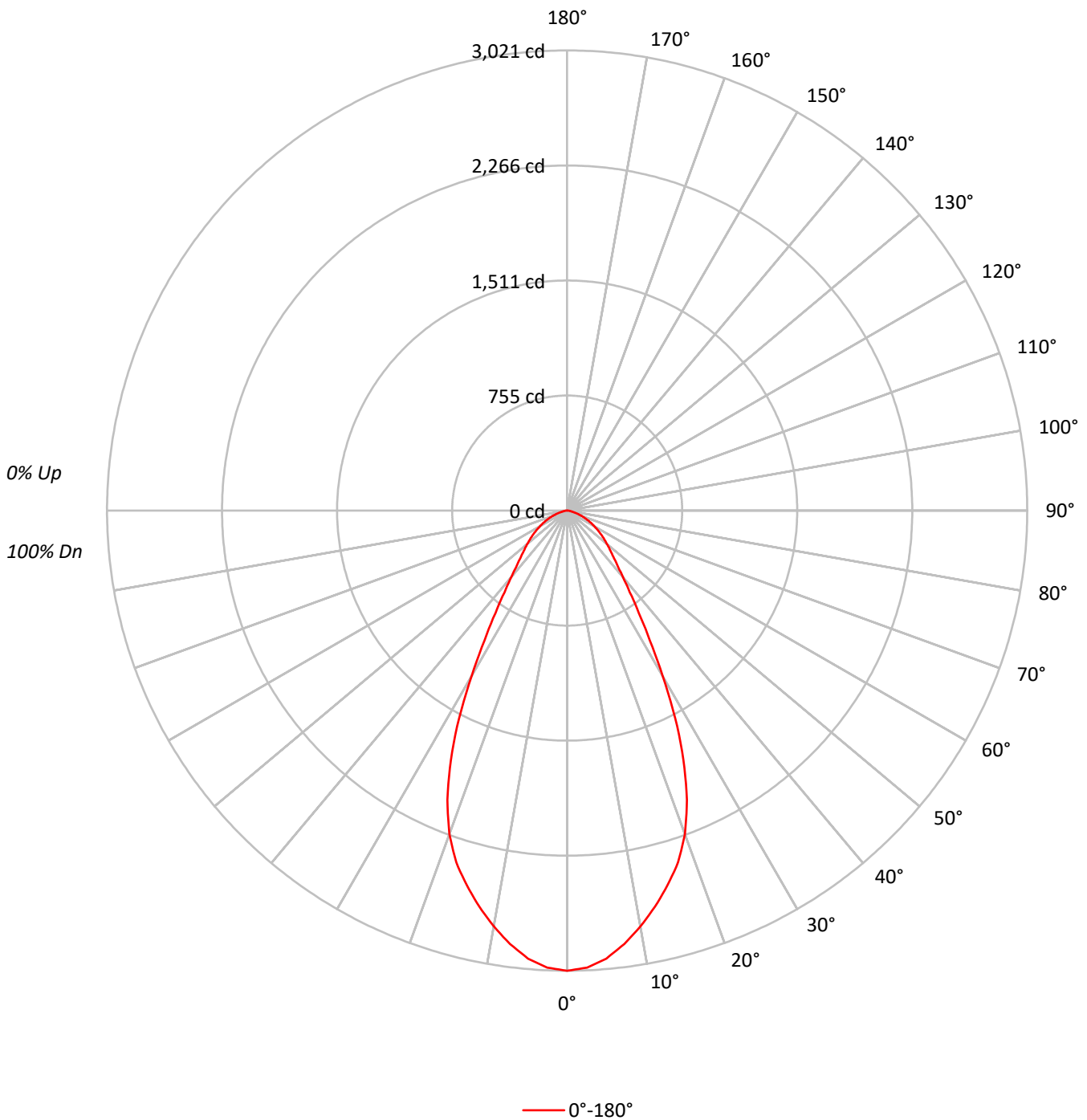
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	216316
5°	212205
10°	201535
15°	188737
20°	172266
25°	142807
30°	103613
35°	71658
40°	52997
45°	43339
50°	38018
55°	33818
60°	29486
65°	25092
70°	20035
75°	14496
80°	10432
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	8.8
10°-20°	711.9	22.8
20°-30°	814.3	26.0
30°-40°	528.0	16.9
40°-50°	336.6	10.8
50°-60°	242.5	7.7
60°-70°	147.4	4.7
70°-80°	58.7	1.9
80°-90°	13.8	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°	1802.1	57.6
0°-40°	2330.1	74.5
0°-60°	2909.2	93.0
0°-90°	3129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3129.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3021	
5°	2952	276
15°	2546	712
25°	1808	814
35°	820	528
45°	428	337
55°	271	242
65°	148	147
75°	52	59
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3021.1
2.5°	3003.0
5°	2952.4
7.5°	2869.4
10°	2771.9
12.5°	2663.5
15°	2546.1
17.5°	2421.5
20°	2260.8
22.5°	2055.0
25°	1807.6
27.5°	1536.7
30°	1253.2
32.5°	1009.4
35°	819.8
37.5°	675.4
40°	567.0
42.5°	487.6
45°	428.0
47.5°	381.0
50°	341.3
52.5°	305.2
55°	270.9
57.5°	236.6
60°	205.9
62.5°	177.0
65°	148.1
67.5°	121.0
70°	95.7
72.5°	74.0
75°	52.4
77.5°	36.1
80°	25.3
82.5°	16.3
85°	14.4
87.5°	7.2
90°	0.0

(END OF REPORT)