

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: P365676

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3067.0 lumens
Efficiency: N/A
Efficacy: 55.7 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

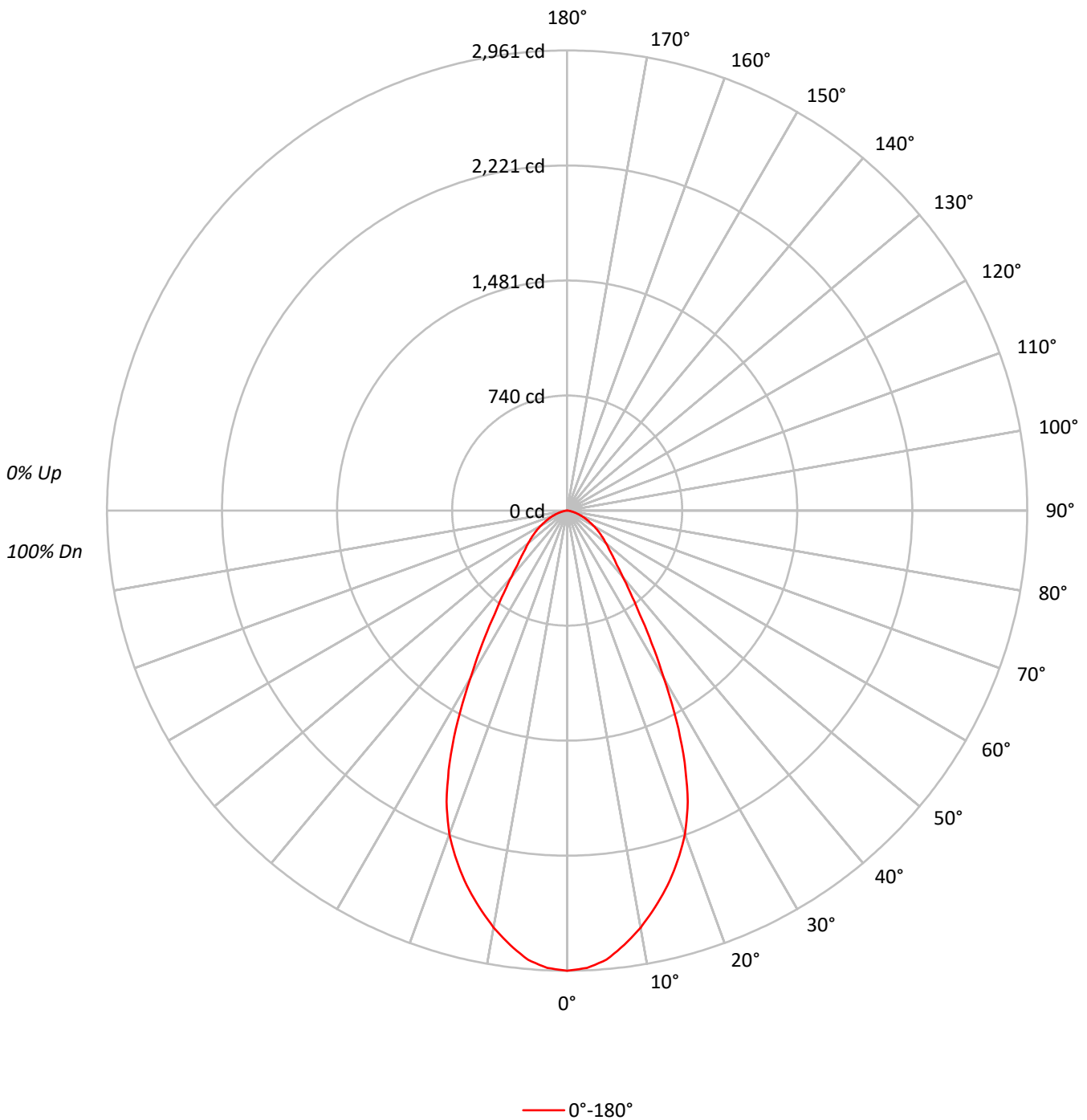
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212020
5°	208525
10°	198110
15°	185119
20°	168921
25°	141425
30°	102943
35°	71221
40°	52091
45°	41972
50°	36347
55°	32145
60°	28039
65°	23906
70°	19574
75°	14635
80°	10185
85°	8708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	8.8
10°-20°	697.5	22.7
20°-30°	805.1	26.3
30°-40°	525.0	17.1
40°-50°	325.9	10.6
50°-60°	231.5	7.5
60°-70°	140.7	4.6
70°-80°	58.3	1.9
80°-90°	12.0	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°	1773.6	57.8
0°-40°	2298.6	74.9
0°-60°	2856.1	93.1
0°-90°	3067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2961	
5°	2901	271
15°	2497	697
25°	1790	805
35°	815	525
45°	414	326
55°	258	231
65°	141	141
75°	53	58
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2961.1
2.5°	2945.3
5°	2901.2
7.5°	2818.3
10°	2724.8
12.5°	2613.7
15°	2497.3
17.5°	2363.3
20°	2216.9
22.5°	2028.2
25°	1790.1
27.5°	1523.8
30°	1245.1
32.5°	1012.3
35°	814.8
37.5°	668.4
40°	557.3
42.5°	474.4
45°	414.5
47.5°	365.1
50°	326.3
52.5°	291.0
55°	257.5
57.5°	227.5
60°	195.8
62.5°	167.5
65°	141.1
67.5°	116.4
70°	93.5
72.5°	72.3
75°	52.9
77.5°	37.0
80°	24.7
82.5°	15.9
85°	10.6
87.5°	5.3
90°	0.0

(END OF REPORT)