

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: P366358

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3780.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

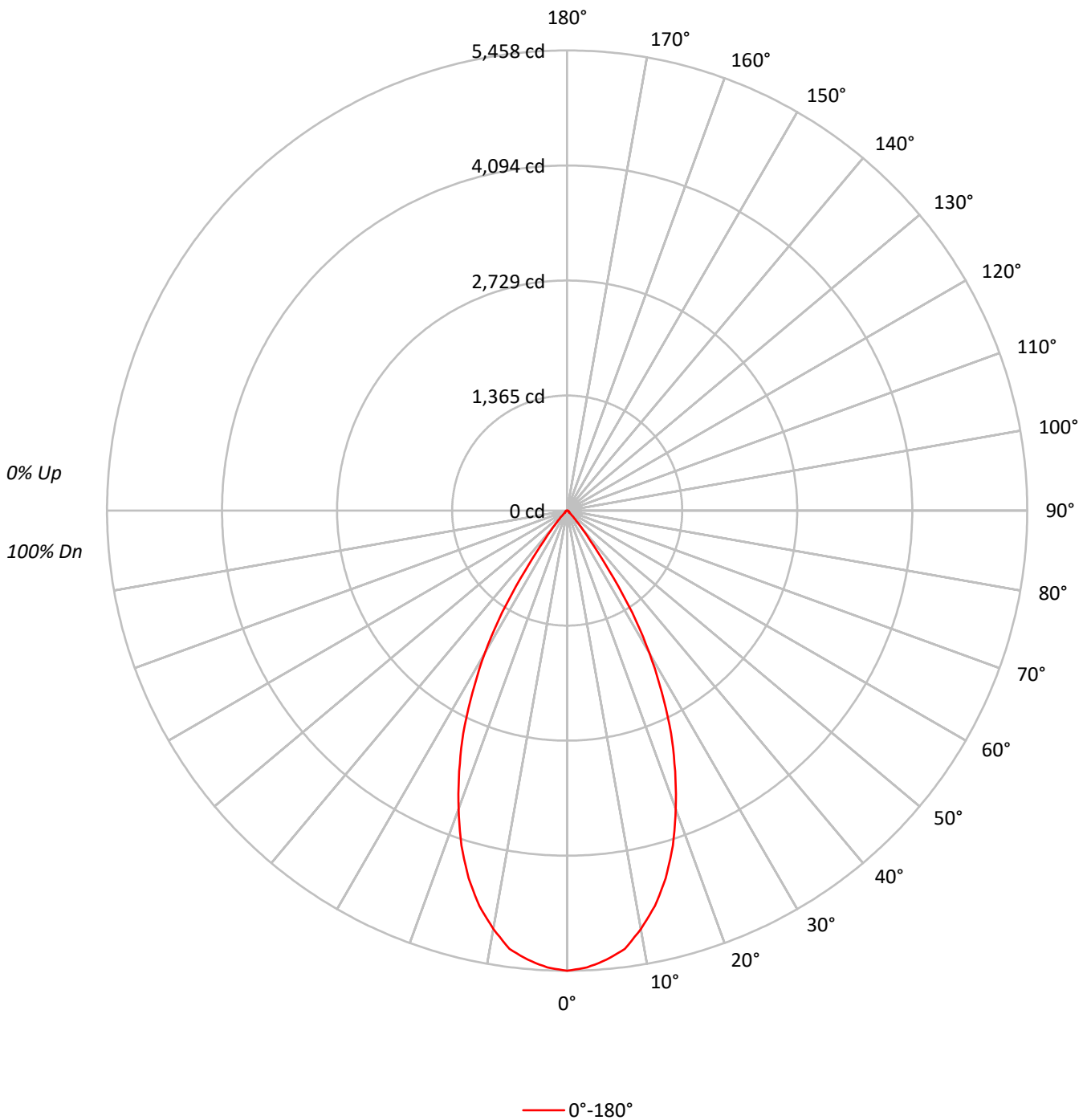
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	390810
5°	384375
10°	366251
15°	334672
20°	287004
25°	230281
30°	161455
35°	74595
40°	23947
45°	7726
50°	3587
55°	3171
60°	3165
65°	2880
70°	2847
75°	3292
80°	4206
85°	6983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.5	13.3
10°-20°	1249.4	33.1
20°-30°	1312.1	34.7
30°-40°	582.2	15.4
40°-50°	75.2	2.0
50°-60°	23.5	0.6
60°-70°	16.6	0.4
70°-80°	12.1	0.3
80°-90°	7.4	0.2
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°	3063.0	81.0
0°-40°	3645.2	96.4
0°-60°	3743.9	99.0
0°-90°	3780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3780.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5458	
5°	5348	502
15°	4515	1249
25°	2915	1312
35°	853	582
45°	76	75
55°	25	23
65°	17	17
75°	12	12
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5458.1
2.5°	5424.2
5°	5347.8
7.5°	5244.3
10°	5037.4
12.5°	4804.9
15°	4514.8
17.5°	4167.0
20°	3766.6
22.5°	3345.8
25°	2914.8
27.5°	2431.3
30°	1952.8
32.5°	1435.4
35°	853.4
37.5°	454.7
40°	256.2
42.5°	140.8
45°	76.3
47.5°	39.0
50°	32.2
52.5°	28.8
55°	25.4
57.5°	23.8
60°	22.1
62.5°	18.7
65°	17.0
67.5°	13.6
70°	13.6
72.5°	11.9
75°	11.9
77.5°	10.2
80°	10.2
82.5°	8.5
85°	8.5
87.5°	5.1
90°	0.0

(END OF REPORT)