

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: P366356

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366356
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-FEU6B35-8030-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: 3673.0 lumens
Efficiency: N/A
Efficacy: 66.7 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

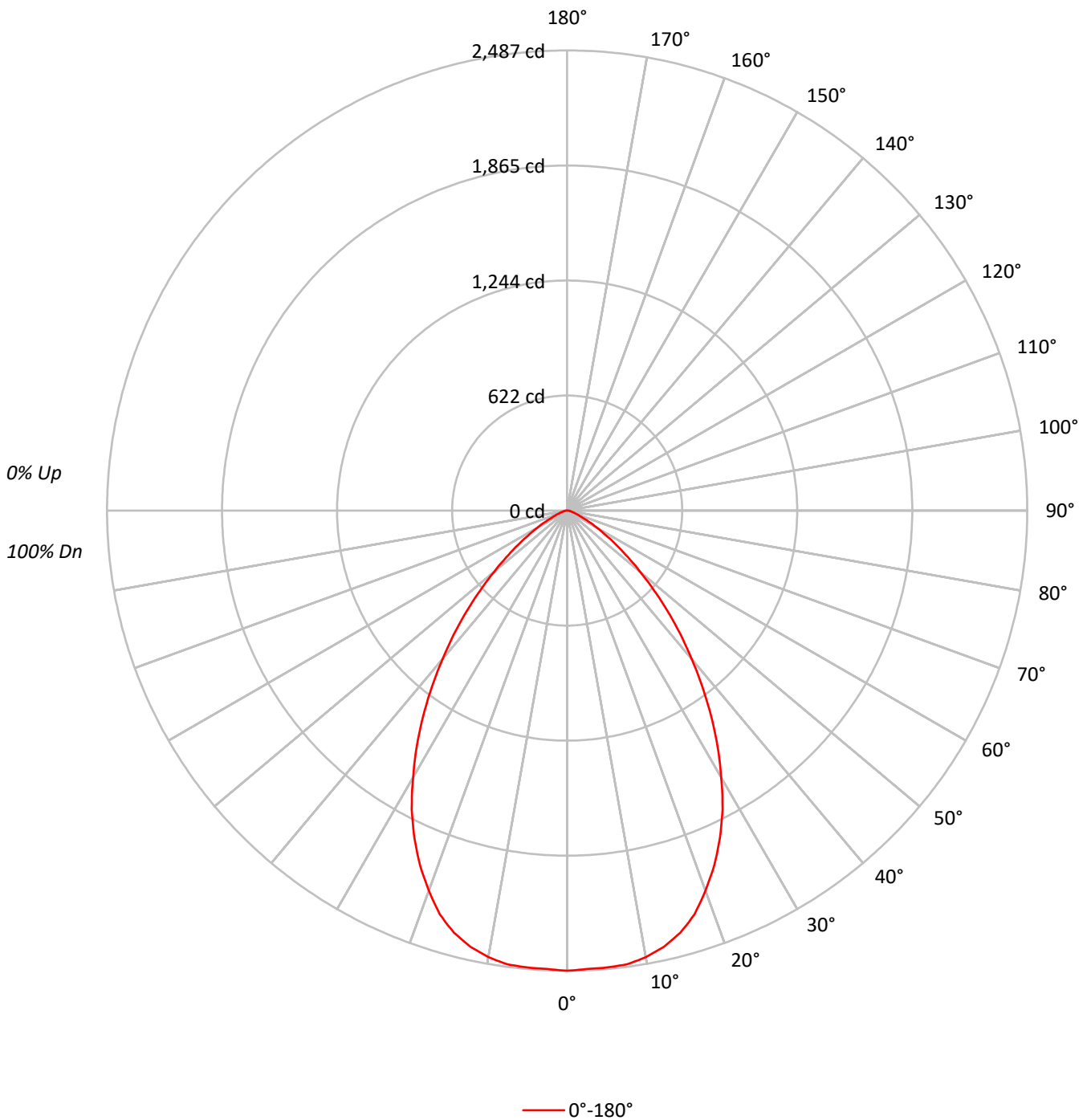
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	178067
5°	178136
10°	178203
15°	175097
20°	166559
25°	154318
30°	137734
35°	118554
40°	97844
45°	77414
50°	57534
55°	40571
60°	26937
65°	16519
70°	10740
75°	8050
80°	7051
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	6.4
10°-20°	661.3	18.0
20°-30°	892.8	24.3
30°-40°	844.7	23.0
40°-50°	592.1	16.1
50°-60°	297.9	8.1
60°-70°	105.2	2.9
70°-80°	32.9	0.9
80°-90°	10.2	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°	1789.9	48.7
0°-40°	2634.6	71.7
0°-60°	3524.6	96.0
0°-90°	3673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3673.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2487	
5°	2478	236
15°	2362	661
25°	1953	893
35°	1356	845
45°	764	592
55°	325	298
65°	98	105
75°	29	33
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2486.9
2.5°	2480.1
5°	2478.4
7.5°	2473.2
10°	2451.0
12.5°	2415.1
15°	2362.1
17.5°	2288.5
20°	2185.9
22.5°	2076.4
25°	1953.3
27.5°	1819.9
30°	1665.9
32.5°	1513.7
35°	1356.3
37.5°	1200.7
40°	1046.8
42.5°	904.8
45°	764.5
47.5°	636.3
50°	516.5
52.5°	413.9
55°	325.0
57.5°	249.7
60°	188.1
62.5°	138.5
65°	97.5
67.5°	71.8
70°	51.3
72.5°	39.3
75°	29.1
77.5°	22.2
80°	17.1
82.5°	13.7
85°	10.3
87.5°	5.1
90°	0.0

(END OF REPORT)