

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: P366390

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3995.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

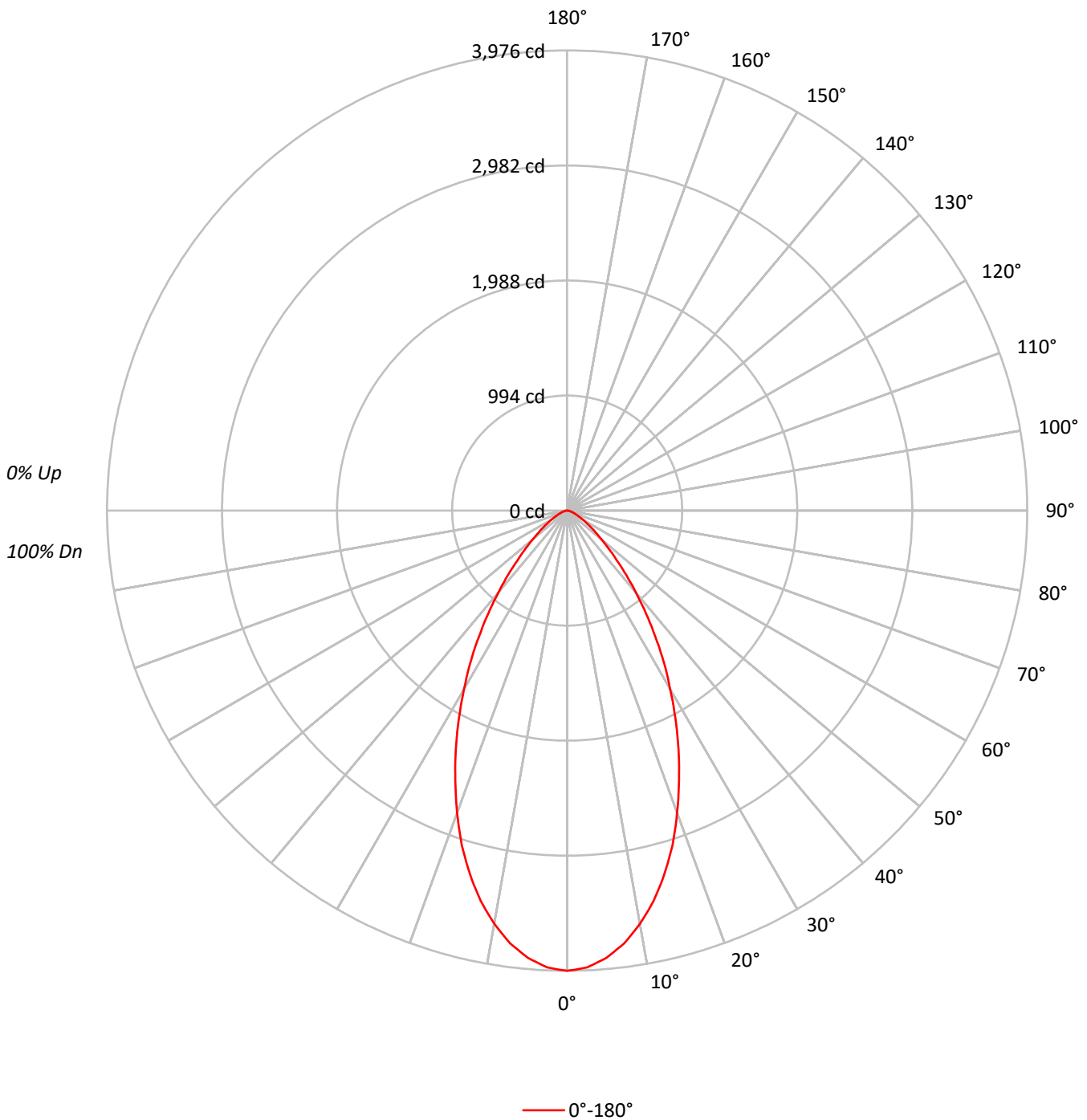
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284725
5°	278848
10°	263612
15°	240937
20°	211668
25°	179916
30°	147193
35°	115862
40°	86329
45°	61222
50°	43198
55°	31021
60°	22211
65°	16129
70°	12540
75°	10236
80°	8742
85°	8708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	9.1
10°-20°	904.4	22.6
20°-30°	1040.4	26.0
30°-40°	830.1	20.8
40°-50°	478.6	12.0
50°-60°	228.1	5.7
60°-70°	98.7	2.5
70°-80°	40.4	1.0
80°-90°	12.0	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°	2307.1	57.7
0°-40°	3137.2	78.5
0°-60°	3843.9	96.2
0°-90°	3995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3995.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3976	
5°	3880	362
15°	3250	904
25°	2277	1040
35°	1326	830
45°	605	479
55°	248	228
65°	95	99
75°	37	40
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3976.5
2.5°	3951.8
5°	3879.6
7.5°	3772.0
10°	3625.7
12.5°	3454.8
15°	3250.3
17.5°	3028.2
20°	2777.9
22.5°	2525.9
25°	2277.3
27.5°	2025.3
30°	1780.3
32.5°	1556.4
35°	1325.5
37.5°	1119.3
40°	923.6
42.5°	756.2
45°	604.6
47.5°	484.7
50°	387.8
52.5°	310.2
55°	248.5
57.5°	195.7
60°	155.1
62.5°	121.6
65°	95.2
67.5°	75.8
70°	59.9
72.5°	47.6
75°	37.0
77.5°	28.2
80°	21.2
82.5°	15.9
85°	10.6
87.5°	7.1
90°	0.0

(END OF REPORT)