

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: P366416

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4197.9 lumens
Efficiency: N/A
Efficacy: 76.2 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

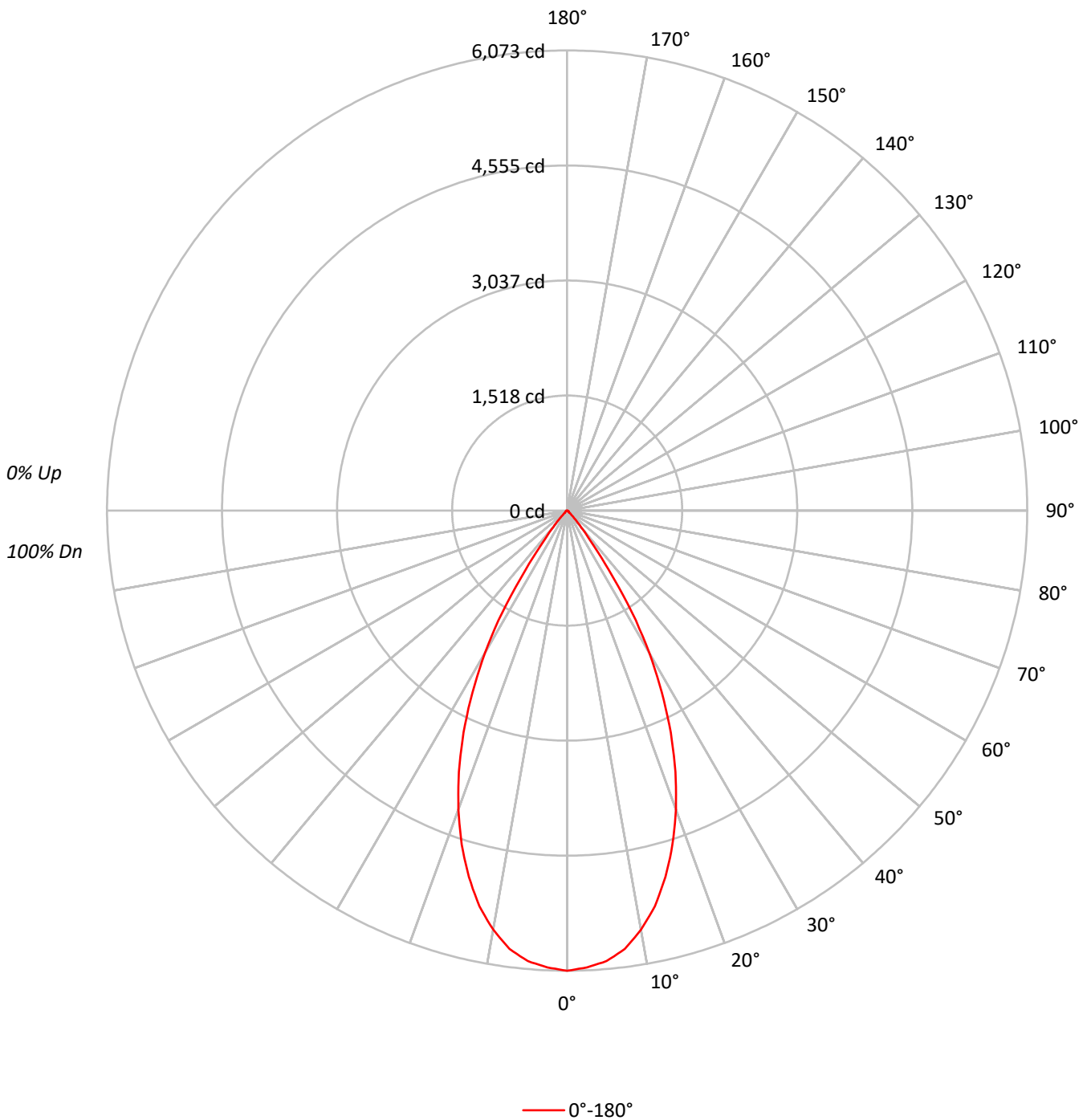
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	434845
5°	428974
10°	408334
15°	371202
20°	319647
25°	255522
30°	179165
35°	83345
40°	26330
45°	8232
50°	3620
55°	3383
60°	3108
65°	2762
70°	3015
75°	3486
80°	4453
85°	7394



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.7	13.3
10°-20°	1388.5	33.1
20°-30°	1459.8	34.8
30°-40°	647.6	15.4
40°-50°	81.0	1.9
50°-60°	24.2	0.6
60°-70°	17.0	0.4
70°-80°	13.3	0.3
80°-90°	7.8	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°	3406.9	81.2
0°-40°	4054.6	96.6
0°-60°	4159.8	99.1
0°-90°	4197.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4197.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6073	
5°	5968	559
15°	5008	1389
25°	3234	1460
35°	954	648
45°	81	81
55°	27	24
65°	16	17
75°	13	13
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6073.1
2.5°	6033.3
5°	5968.3
7.5°	5834.7
10°	5616.2
12.5°	5348.9
15°	5007.6
17.5°	4623.0
20°	4195.0
22.5°	3730.9
25°	3234.3
27.5°	2707.0
30°	2167.0
32.5°	1594.6
35°	953.5
37.5°	507.4
40°	281.7
42.5°	153.5
45°	81.3
47.5°	39.7
50°	32.5
52.5°	28.9
55°	27.1
57.5°	25.3
60°	21.7
62.5°	19.9
65°	16.3
67.5°	14.4
70°	14.4
72.5°	12.6
75°	12.6
77.5°	12.6
80°	10.8
82.5°	9.0
85°	9.0
87.5°	5.4
90°	0.0

(END OF REPORT)