

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: P366398

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366398
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-FEU6B35-8040-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: 4099.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

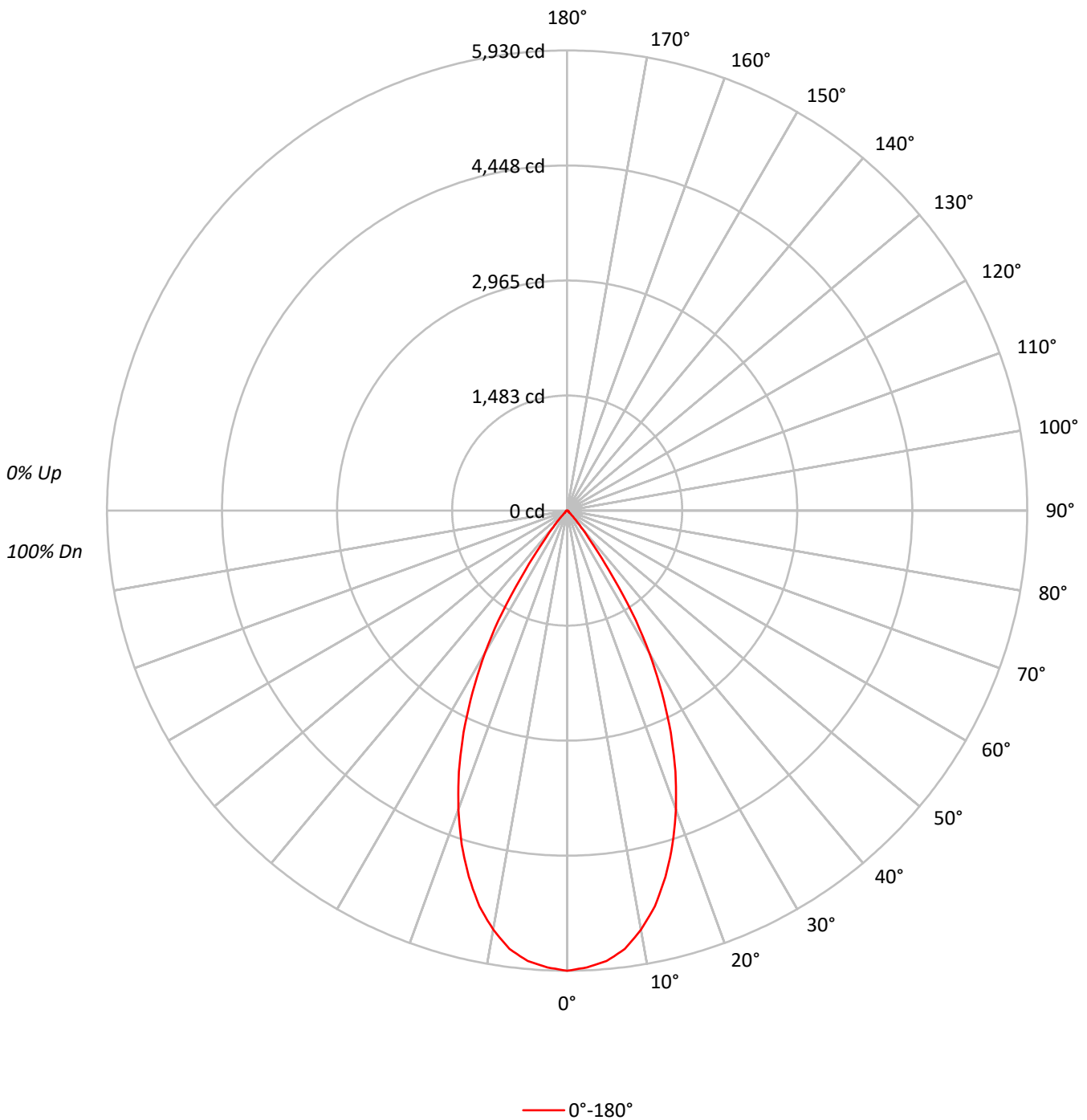
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	424592
5°	418861
10°	398708
15°	362447
20°	312111
25°	249494
30°	174940
35°	81378
40°	25713
45°	8030
50°	3531
55°	3296
60°	3036
65°	2694
70°	2952
75°	3403
80°	4371
85°	7230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.5	13.3
10°-20°	1355.8	33.1
20°-30°	1425.3	34.8
30°-40°	632.4	15.4
40°-50°	79.1	1.9
50°-60°	23.6	0.6
60°-70°	16.6	0.4
70°-80°	13.0	0.3
80°-90°	7.7	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°	3326.6	81.2
0°-40°	3959.0	96.6
0°-60°	4061.7	99.1
0°-90°	4099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4099.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5930	
5°	5828	546
15°	4890	1356
25°	3158	1425
35°	931	632
45°	79	79
55°	26	24
65°	16	17
75°	12	13
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5929.9
2.5°	5891.1
5°	5827.6
7.5°	5697.1
10°	5483.8
12.5°	5222.8
15°	4889.5
17.5°	4514.0
20°	4096.1
22.5°	3642.9
25°	3158.0
27.5°	2643.1
30°	2115.9
32.5°	1557.0
35°	931.0
37.5°	495.5
40°	275.1
42.5°	149.9
45°	79.3
47.5°	38.8
50°	31.7
52.5°	28.2
55°	26.4
57.5°	24.7
60°	21.2
62.5°	19.4
65°	15.9
67.5°	14.1
70°	14.1
72.5°	12.3
75°	12.3
77.5°	12.3
80°	10.6
82.5°	8.8
85°	8.8
87.5°	5.3
90°	0.0

(END OF REPORT)