

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: P364959

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4074.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

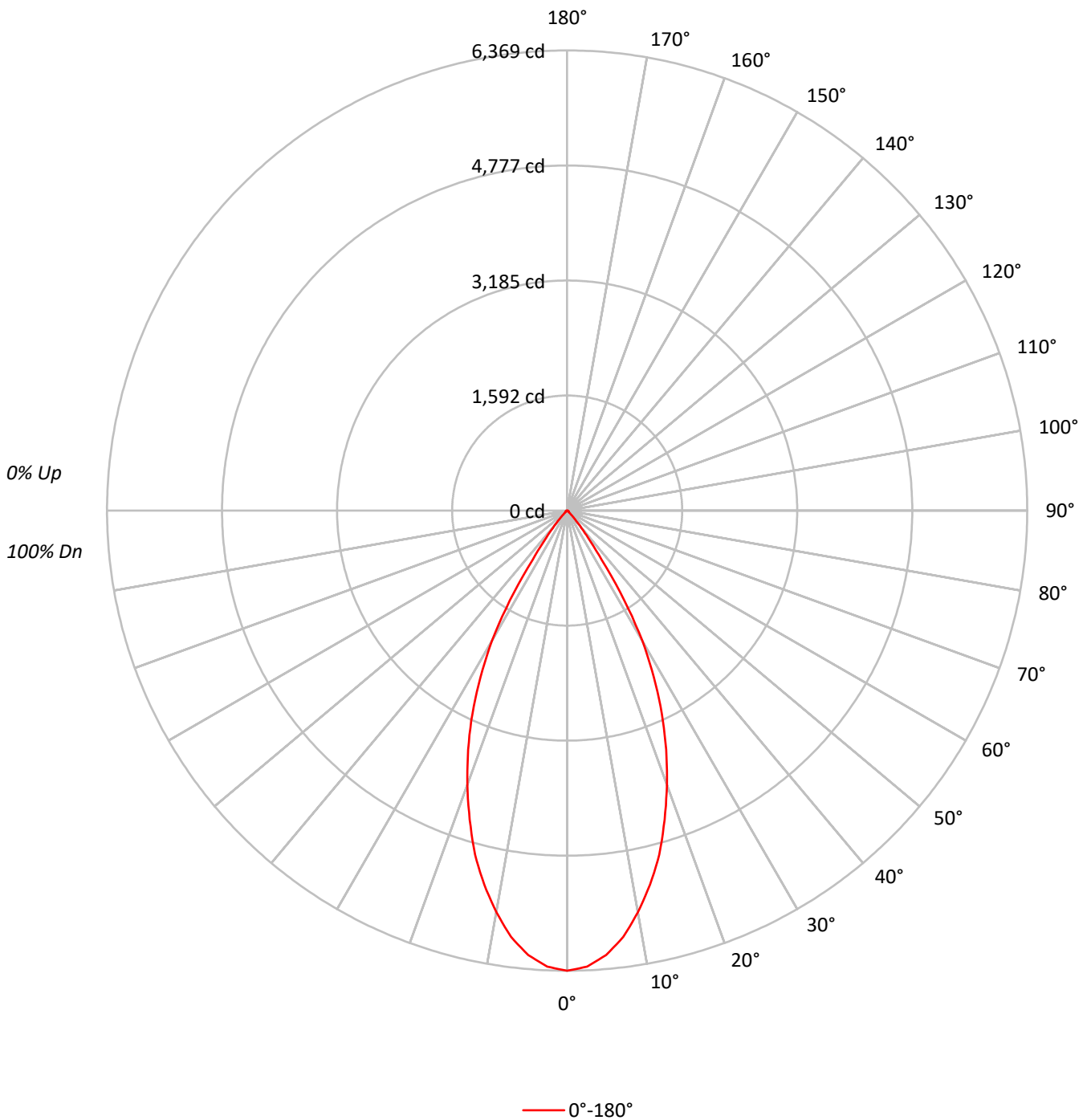
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88		88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83		83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78		78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74		74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66		66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63		63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59		59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	456004
5°	443938
10°	410355
15°	365309
20°	307661
25°	245165
30°	171724
35°	72742
40°	25377
45°	6967
50°	3531
55°	3296
60°	3279
65°	2982
70°	2952
75°	3901
80°	5072
85°	7230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.7	14.1
10°-20°	1362.4	33.4
20°-30°	1401.5	34.4
30°-40°	598.6	14.7
40°-50°	74.7	1.8
50°-60°	23.8	0.6
60°-70°	17.7	0.4
70°-80°	14.2	0.3
80°-90°	8.4	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°	3336.6	81.9
0°-40°	3935.1	96.6
0°-60°	4033.7	99.0
0°-90°	4074.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4074.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6369	
5°	6176	573
15°	4928	1362
25°	3103	1401
35°	832	599
45°	69	75
55°	26	24
65°	18	18
75°	14	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6368.6
2.5°	6317.5
5°	6176.5
7.5°	5950.8
10°	5644.0
12.5°	5301.9
15°	4928.1
17.5°	4483.8
20°	4037.7
22.5°	3579.3
25°	3103.2
27.5°	2600.7
30°	2077.0
32.5°	1475.8
35°	832.2
37.5°	476.1
40°	271.5
42.5°	141.1
45°	68.8
47.5°	37.0
50°	31.7
52.5°	28.2
55°	26.4
57.5°	24.7
60°	22.9
62.5°	19.4
65°	17.6
67.5°	15.9
70°	14.1
72.5°	14.1
75°	14.1
77.5°	12.3
80°	12.3
82.5°	10.6
85°	8.8
87.5°	5.3
90°	0.0

(END OF REPORT)