

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: P364940

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4136.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

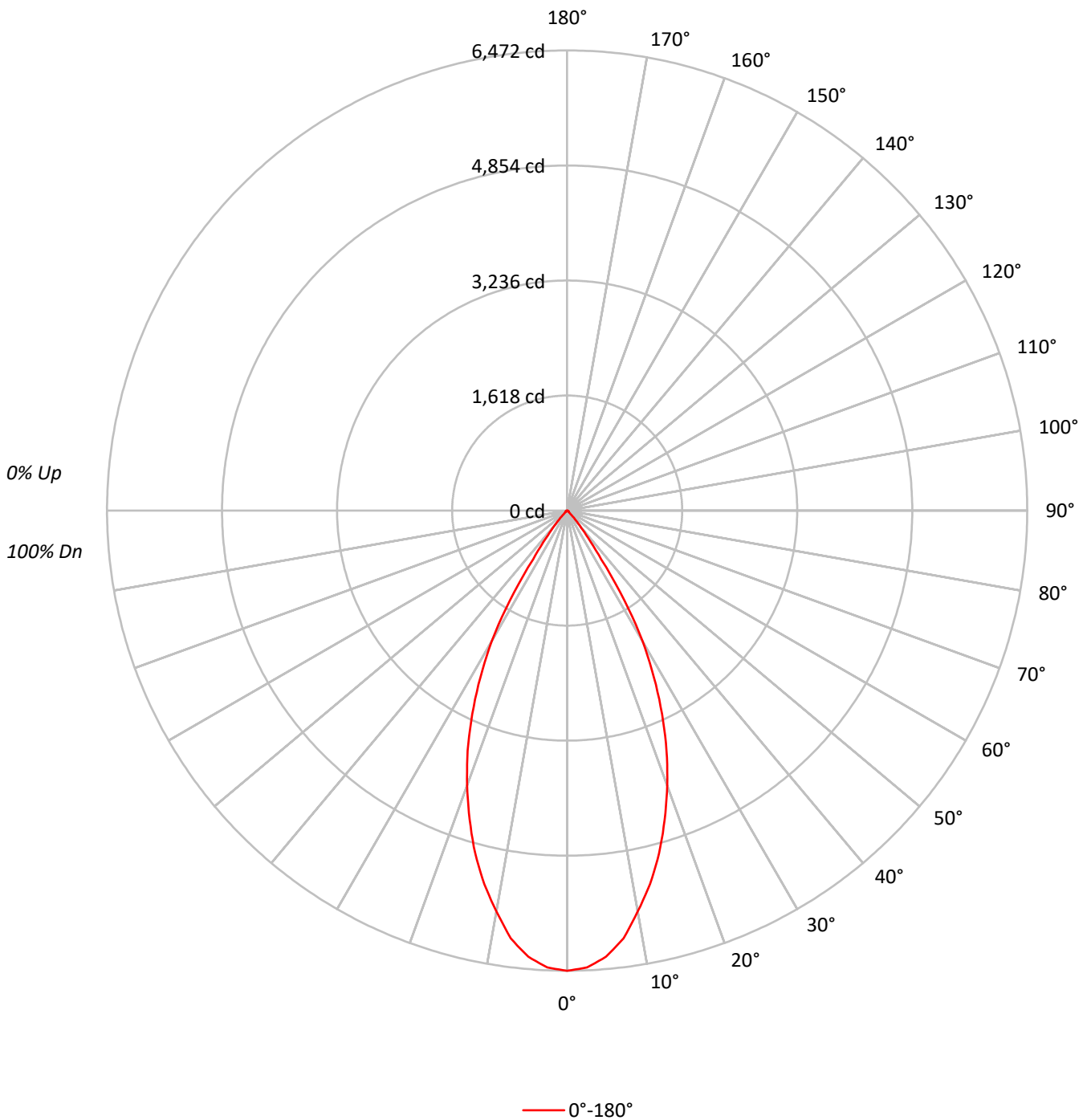
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	107	102	99	96	99	96	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70			
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66			
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	463443
5°	452678
10°	416063
15°	370283
20°	313643
25°	249407
30°	175353
35°	73179
40°	25265
45°	6531
50°	3308
55°	3046
60°	2993
65°	2948
70°	2931
75°	3873
80°	4330
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.1	14.1
10°-20°	1383.7	33.5
20°-30°	1427.8	34.5
30°-40°	607.3	14.7
40°-50°	72.9	1.8
50°-60°	22.0	0.5
60°-70°	17.3	0.4
70°-80°	13.9	0.3
80°-90°	8.1	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°	3394.6	82.1
0°-40°	4001.9	96.8
0°-60°	4096.8	99.1
0°-90°	4136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4136.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6472	
5°	6298	583
15°	4995	1384
25°	3157	1428
35°	837	607
45°	64	73
55°	24	22
65°	17	17
75°	14	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6472.5
2.5°	6430.7
5°	6298.1
7.5°	6067.9
10°	5722.5
12.5°	5382.4
15°	4995.2
17.5°	4559.2
20°	4116.2
22.5°	3654.0
25°	3156.9
27.5°	2644.1
30°	2120.9
32.5°	1503.5
35°	837.2
37.5°	481.4
40°	270.3
42.5°	139.5
45°	64.5
47.5°	34.9
50°	29.7
52.5°	26.2
55°	24.4
57.5°	22.7
60°	20.9
62.5°	19.2
65°	17.4
67.5°	15.7
70°	14.0
72.5°	14.0
75°	14.0
77.5°	12.2
80°	10.5
82.5°	10.5
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)