

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: P364958

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364958
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-FEU6B35-8040-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: 4180.0 lumens
Efficiency: N/A
Efficacy: 75.9 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

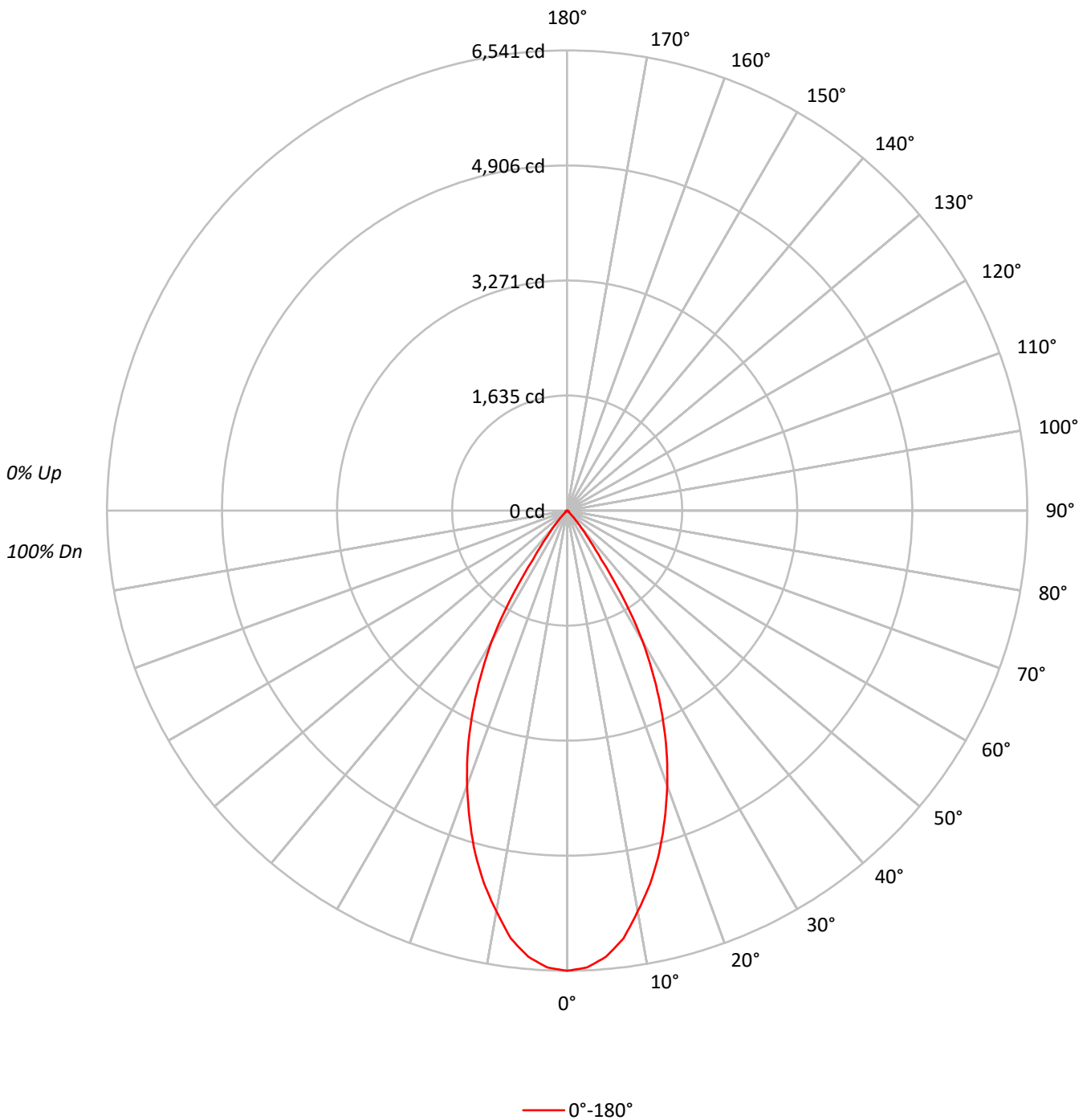
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	468376
5°	457494
10°	420490
15°	374226
20°	316980
25°	252062
30°	177214
35°	73957
40°	25536
45°	6602
50°	3342
55°	3083
60°	3036
65°	2982
70°	2952
75°	3901
80°	4371
85°	7230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.3	14.1
10°-20°	1398.5	33.5
20°-30°	1443.0	34.5
30°-40°	613.8	14.7
40°-50°	73.7	1.8
50°-60°	22.3	0.5
60°-70°	17.5	0.4
70°-80°	14.0	0.3
80°-90°	8.2	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°	3430.7	82.1
0°-40°	4044.5	96.8
0°-60°	4140.4	99.1
0°-90°	4180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6541	
5°	6365	589
15°	5048	1398
25°	3190	1443
35°	846	614
45°	65	74
55°	25	22
65°	18	17
75°	14	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6541.4
2.5°	6499.1
5°	6365.1
7.5°	6132.4
10°	5783.4
12.5°	5439.7
15°	5048.4
17.5°	4607.7
20°	4160.0
22.5°	3692.9
25°	3190.5
27.5°	2672.2
30°	2143.4
32.5°	1519.4
35°	846.1
37.5°	486.5
40°	273.2
42.5°	141.0
45°	65.2
47.5°	35.3
50°	30.0
52.5°	26.4
55°	24.7
57.5°	22.9
60°	21.2
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°	10.6
82.5°	10.6
85°	8.8
87.5°	5.3
90°	0.0

(END OF REPORT)