

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: P364939

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364939
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3825.0 lumens
Efficiency: N/A
Efficacy: 69.4 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

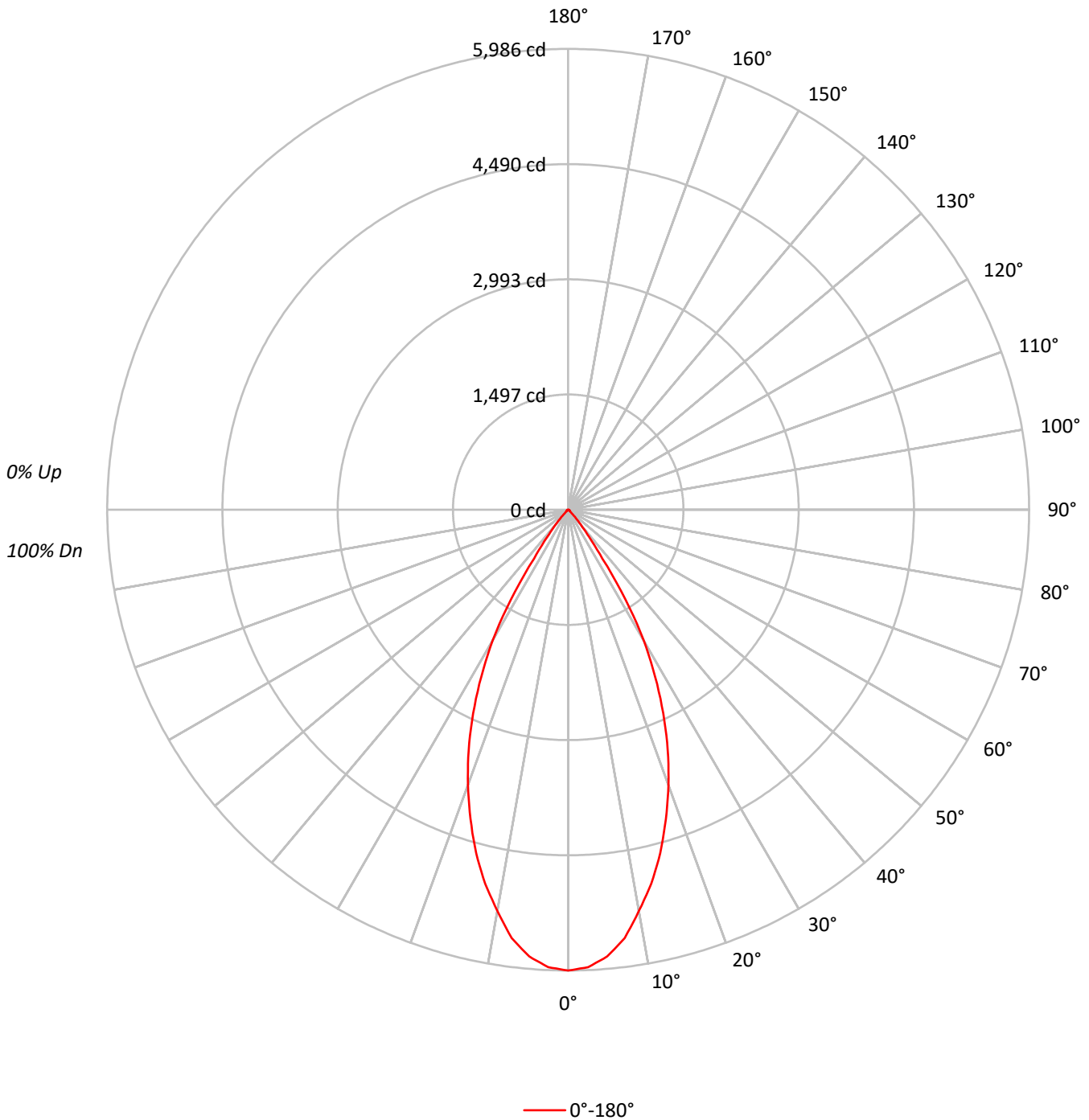
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	428594
5°	418638
10°	384777
15°	342440
20°	290060
25°	230652
30°	162166
35°	67673
40°	23367
45°	6045
50°	3052
55°	2821
60°	2778
65°	2728
70°	2701
75°	3569
80°	4000
85°	6654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.2	14.1
10°-20°	1279.7	33.5
20°-30°	1320.4	34.5
30°-40°	561.6	14.7
40°-50°	67.4	1.8
50°-60°	20.4	0.5
60°-70°	16.0	0.4
70°-80°	12.8	0.3
80°-90°	7.5	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°	3139.3	82.1
0°-40°	3701.0	96.8
0°-60°	3788.8	99.1
0°-90°	3825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5986	
5°	5824	539
15°	4620	1280
25°	2920	1320
35°	774	562
45°	60	67
55°	23	20
65°	16	16
75°	13	13
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5985.8
2.5°	5947.1
5°	5824.5
7.5°	5611.6
10°	5292.2
12.5°	4977.7
15°	4619.6
17.5°	4216.4
20°	3806.7
22.5°	3379.2
25°	2919.5
27.5°	2445.3
30°	1961.4
32.5°	1390.4
35°	774.2
37.5°	445.2
40°	250.0
42.5°	129.0
45°	59.7
47.5°	32.3
50°	27.4
52.5°	24.2
55°	22.6
57.5°	21.0
60°	19.4
62.5°	17.7
65°	16.1
67.5°	14.5
70°	12.9
72.5°	12.9
75°	12.9
77.5°	11.3
80°	9.7
82.5°	9.7
85°	8.1
87.5°	4.8
90°	0.0

(END OF REPORT)