

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: P364905

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364905
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-FEU6B35-8027-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: 3781.1 lumens
Efficiency: N/A
Efficacy: 68.6 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

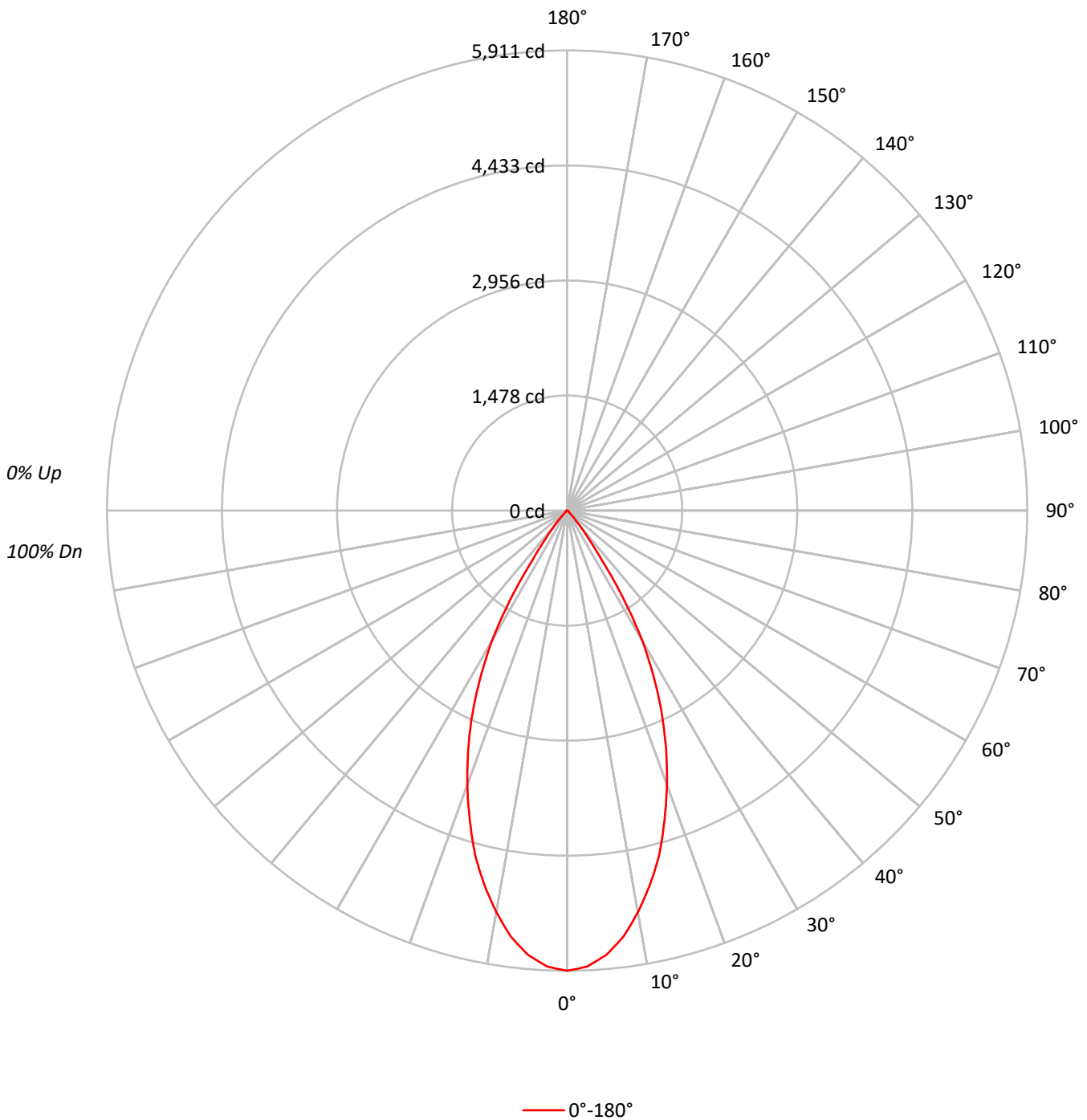
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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	78
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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	423210
5°	412004
10°	380844
15°	339038
20°	285533
25°	227531
30°	159380
35°	67515
40°	23554
45°	6460
50°	3286
55°	3058
60°	3050
65°	2779
70°	2742
75°	3624
80°	4742
85°	6737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.5	14.1
10°-20°	1264.4	33.4
20°-30°	1300.7	34.4
30°-40°	555.5	14.7
40°-50°	69.4	1.8
50°-60°	22.1	0.6
60°-70°	16.4	0.4
70°-80°	13.2	0.3
80°-90°	7.8	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°	3096.6	81.9
0°-40°	3652.1	96.6
0°-60°	3743.6	99.0
0°-90°	3781.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5911	
5°	5732	531
15°	4574	1264
25°	2880	1301
35°	772	556
45°	64	69
55°	24	22
65°	16	16
75°	13	13
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5910.6
2.5°	5863.2
5°	5732.2
7.5°	5522.8
10°	5238.1
12.5°	4920.6
15°	4573.7
17.5°	4161.3
20°	3747.3
22.5°	3321.9
25°	2880.0
27.5°	2413.7
30°	1927.7
32.5°	1369.7
35°	772.4
37.5°	441.8
40°	252.0
42.5°	130.9
45°	63.8
47.5°	34.4
50°	29.5
52.5°	26.2
55°	24.5
57.5°	22.9
60°	21.3
62.5°	18.0
65°	16.4
67.5°	14.7
70°	13.1
72.5°	13.1
75°	13.1
77.5°	11.5
80°	11.5
82.5°	9.8
85°	8.2
87.5°	4.9
90°	0.0

(END OF REPORT)