

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: P364941

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364941
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-FEU6B35-8035-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: 4031.0 lumens
Efficiency: N/A
Efficacy: 73.2 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

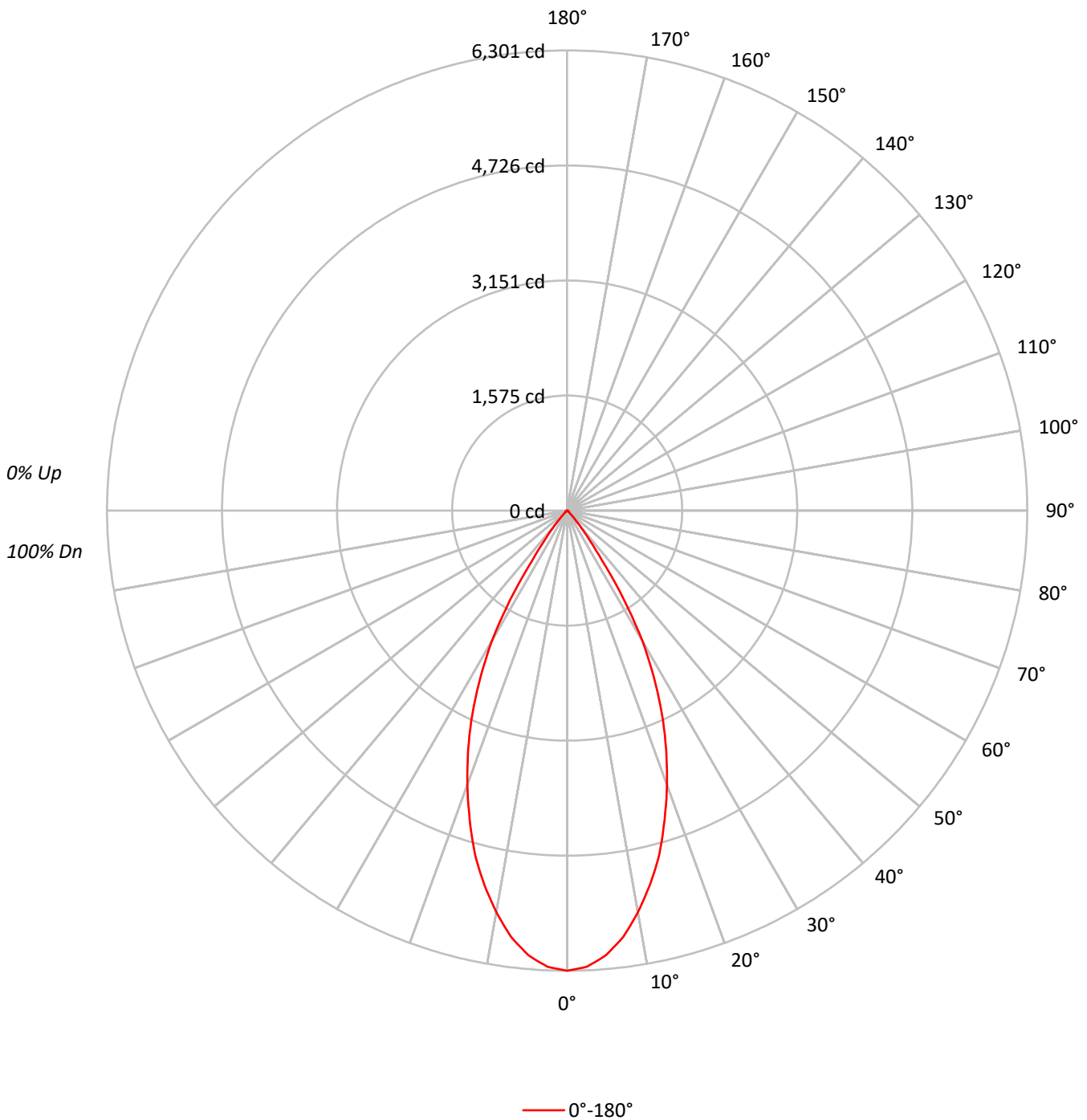
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	451192
5°	439252
10°	406022
15°	361454
20°	304415
25°	242581
30°	169913
35°	71973
40°	25115
45°	6886
50°	3498
55°	3271
60°	3251
65°	2948
70°	2931
75°	3873
80°	5031
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.6	14.1
10°-20°	1348.0	33.4
20°-30°	1386.7	34.4
30°-40°	592.2	14.7
40°-50°	73.9	1.8
50°-60°	23.6	0.6
60°-70°	17.5	0.4
70°-80°	14.1	0.3
80°-90°	8.3	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°	3301.4	81.9
0°-40°	3893.6	96.6
0°-60°	3991.1	99.0
0°-90°	4031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4031.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6301	
5°	6111	567
15°	4876	1348
25°	3070	1387
35°	823	592
45°	68	74
55°	26	24
65°	17	17
75°	14	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6301.4
2.5°	6250.8
5°	6111.3
7.5°	5888.0
10°	5584.4
12.5°	5246.0
15°	4876.1
17.5°	4436.5
20°	3995.1
22.5°	3541.5
25°	3070.5
27.5°	2573.3
30°	2055.1
32.5°	1460.2
35°	823.4
37.5°	471.0
40°	268.7
42.5°	139.6
45°	68.0
47.5°	36.6
50°	31.4
52.5°	27.9
55°	26.2
57.5°	24.4
60°	22.7
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°	12.2
82.5°	10.5
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)