

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: P365119

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365119
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: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5248.0 lumens
Efficiency: N/A
Efficacy: 71.5 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

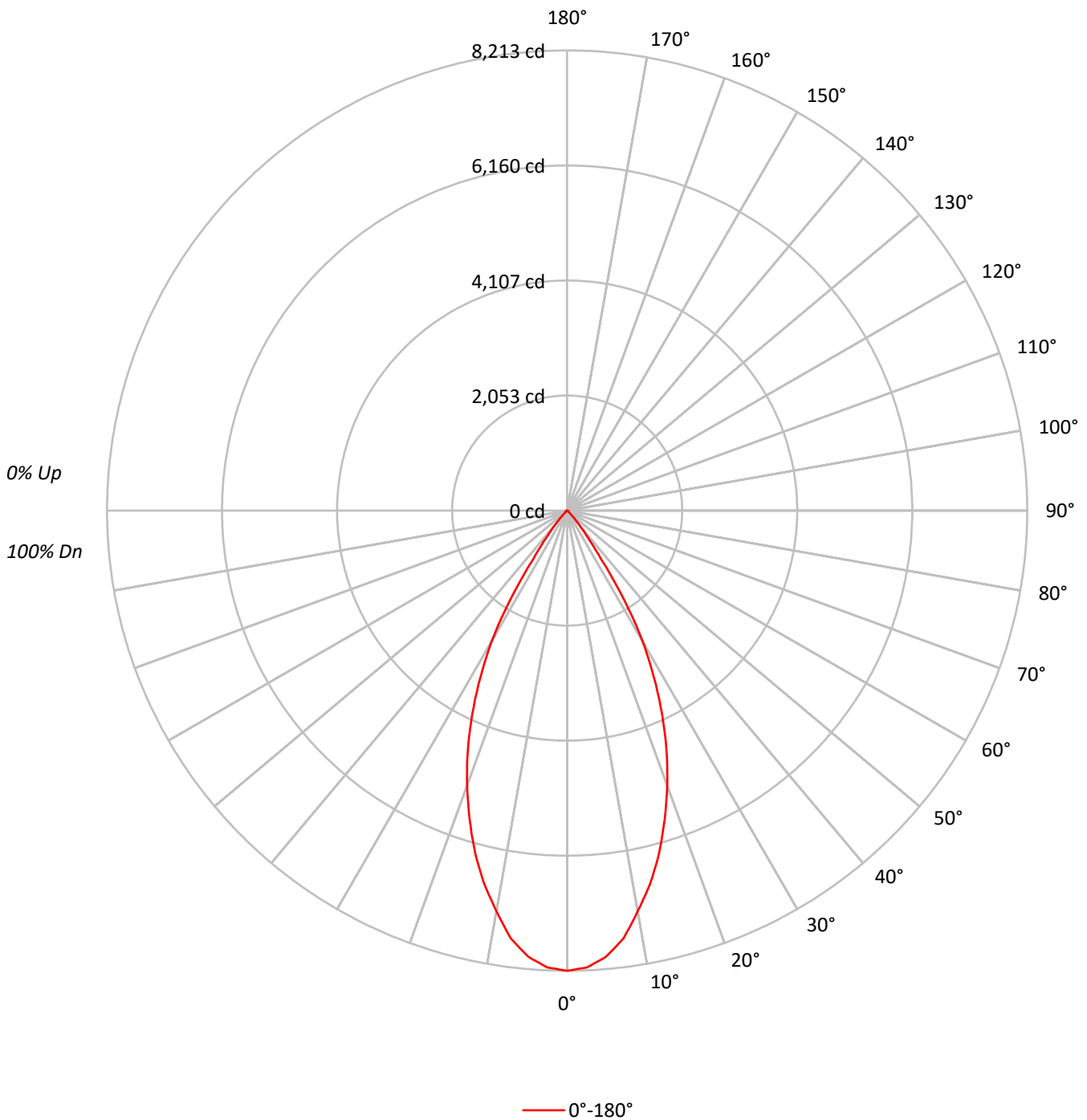
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	588045
5°	574385
10°	527929
15°	469836
20°	397962
25°	316466
30°	222497
35°	92855
40°	32060
45°	8293
50°	4188
55°	3870
60°	3809
65°	3744
70°	3705
75°	4897
80°	5484
85°	9119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.8	14.1
10°-20°	1755.8	33.5
20°-30°	1811.7	34.5
30°-40°	770.6	14.7
40°-50°	92.5	1.8
50°-60°	28.0	0.5
60°-70°	21.9	0.4
70°-80°	17.5	0.3
80°-90°	10.3	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°	4307.3	82.1
0°-40°	5077.9	96.8
0°-60°	5198.3	99.1
0°-90°	5248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8213	
5°	7991	740
15°	6338	1756
25°	4006	1812
35°	1062	771
45°	82	92
55°	31	28
65°	22	22
75°	18	18
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8212.7
2.5°	8159.6
5°	7991.4
7.5°	7699.3
10°	7261.1
12.5°	6829.5
15°	6338.2
17.5°	5785.0
20°	5222.8
22.5°	4636.4
25°	4005.7
27.5°	3355.0
30°	2691.1
32.5°	1907.7
35°	1062.3
37.5°	610.8
40°	343.0
42.5°	177.0
45°	81.9
47.5°	44.3
50°	37.6
52.5°	33.2
55°	31.0
57.5°	28.8
60°	26.6
62.5°	24.3
65°	22.1
67.5°	19.9
70°	17.7
72.5°	17.7
75°	17.7
77.5°	15.5
80°	13.3
82.5°	13.3
85°	11.1
87.5°	6.6
90°	0.0

(END OF REPORT)