

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: P365154

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5488.0 lumens
Efficiency: N/A
Efficacy: 74.8 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

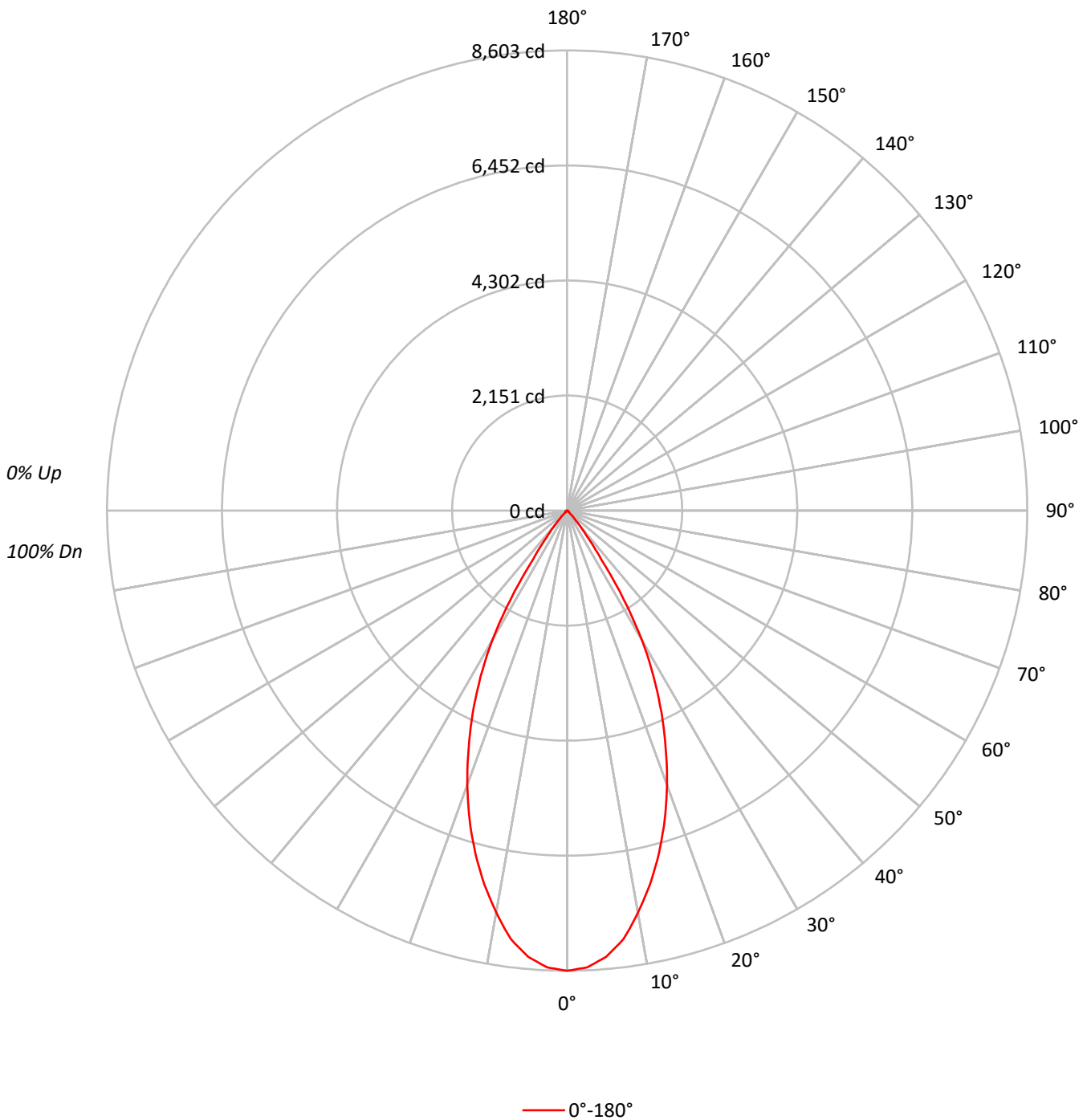
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		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°	615962
5°	601920
10°	554910
15°	491481
20°	416105
25°	329660
30°	231666
35°	96483
40°	33107
45°	8840
50°	4868
55°	4544
60°	4167
65°	4117
70°	4061
75°	4703
80°	6020
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.1	14.1
10°-20°	1839.4	33.5
20°-30°	1888.3	34.4
30°-40°	799.6	14.6
40°-50°	98.3	1.8
50°-60°	32.5	0.6
60°-70°	24.0	0.4
70°-80°	18.6	0.3
80°-90°	11.2	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°	4503.7	82.1
0°-40°	5303.3	96.6
0°-60°	5434.2	99.0
0°-90°	5488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5488.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8603	
5°	8374	776
15°	6630	1839
25°	4173	1888
35°	1104	800
45°	87	98
55°	36	33
65°	24	24
75°	17	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8602.6
2.5°	8546.8
5°	8374.5
7.5°	8078.5
10°	7632.2
12.5°	7156.7
15°	6630.2
17.5°	6065.0
20°	5460.9
22.5°	4818.0
25°	4172.7
27.5°	3505.6
30°	2802.0
32.5°	1974.8
35°	1103.8
37.5°	633.2
40°	354.2
42.5°	186.8
45°	87.3
47.5°	50.9
50°	43.7
52.5°	38.8
55°	36.4
57.5°	34.0
60°	29.1
62.5°	26.7
65°	24.3
67.5°	21.8
70°	19.4
72.5°	19.4
75°	17.0
77.5°	17.0
80°	14.6
82.5°	14.6
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)