

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: P365133

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365133
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-FEU6B67-8040-F6LBXVM1-LI-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5472.0 lumens
Efficiency: N/A
Efficacy: 74.6 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

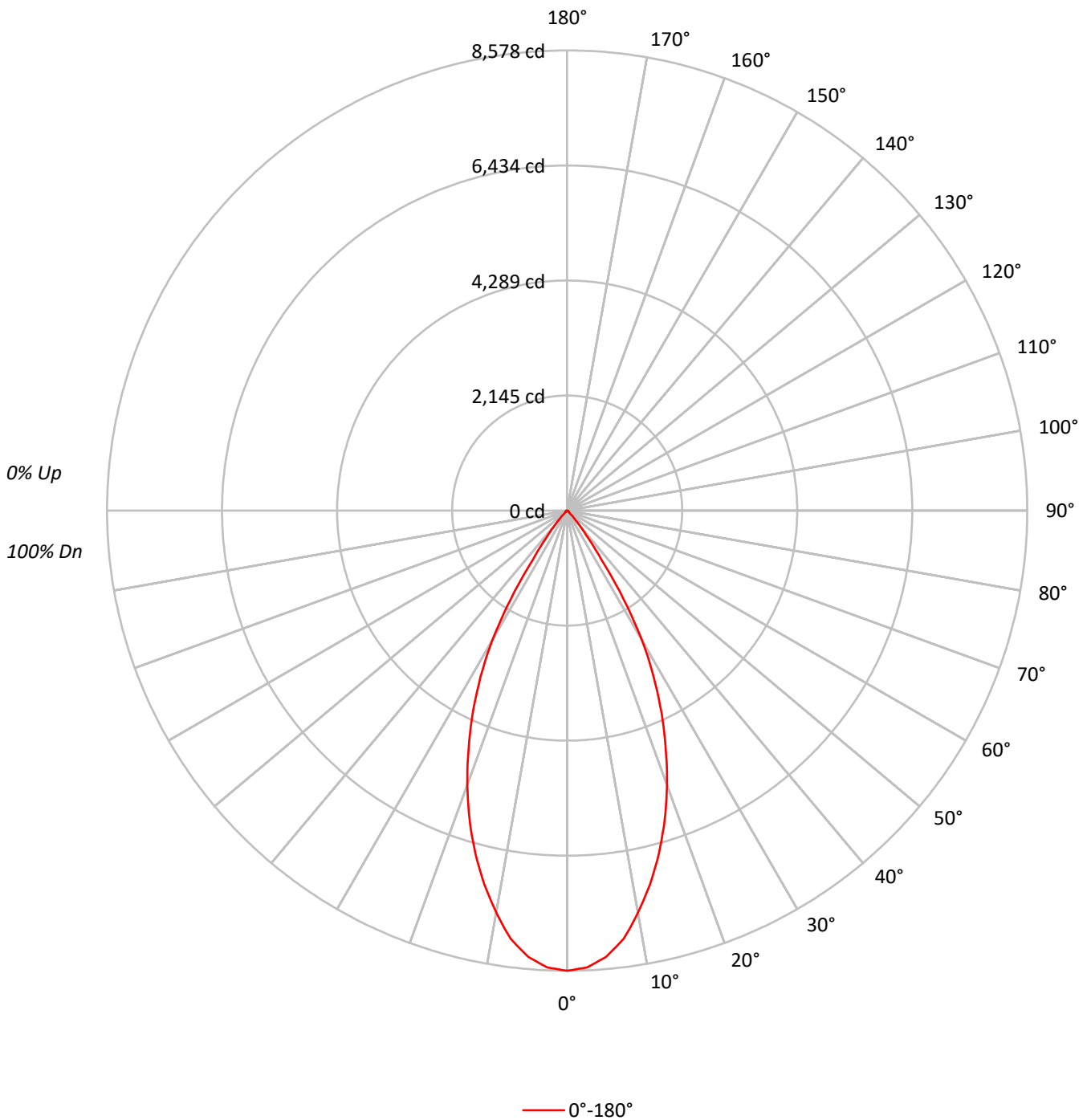
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	614165
5°	600166
10°	553289
15°	490051
20°	414893
25°	328696
30°	230988
35°	96203
40°	33013
45°	8820
50°	4846
55°	4531
60°	4153
65°	4100
70°	4061
75°	4675
80°	5979
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.8	14.1
10°-20°	1834.0	33.5
20°-30°	1882.8	34.4
30°-40°	797.3	14.6
40°-50°	98.0	1.8
50°-60°	32.4	0.6
60°-70°	24.0	0.4
70°-80°	18.5	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°	4490.6	82.1
0°-40°	5287.8	96.6
0°-60°	5418.3	99.0
0°-90°	5472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8578	
5°	8350	774
15°	6611	1834
25°	4160	1883
35°	1101	797
45°	87	98
55°	36	32
65°	24	24
75°	17	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8577.5
2.5°	8521.8
5°	8350.1
7.5°	8055.0
10°	7609.9
12.5°	7135.8
15°	6610.9
17.5°	6047.3
20°	5445.0
22.5°	4804.0
25°	4160.5
27.5°	3495.3
30°	2793.8
32.5°	1969.0
35°	1100.6
37.5°	631.3
40°	353.2
42.5°	186.3
45°	87.1
47.5°	50.8
50°	43.5
52.5°	38.7
55°	36.3
57.5°	33.9
60°	29.0
62.5°	26.6
65°	24.2
67.5°	21.8
70°	19.4
72.5°	19.4
75°	16.9
77.5°	16.9
80°	14.5
82.5°	14.5
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)