

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: P365836

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4222.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

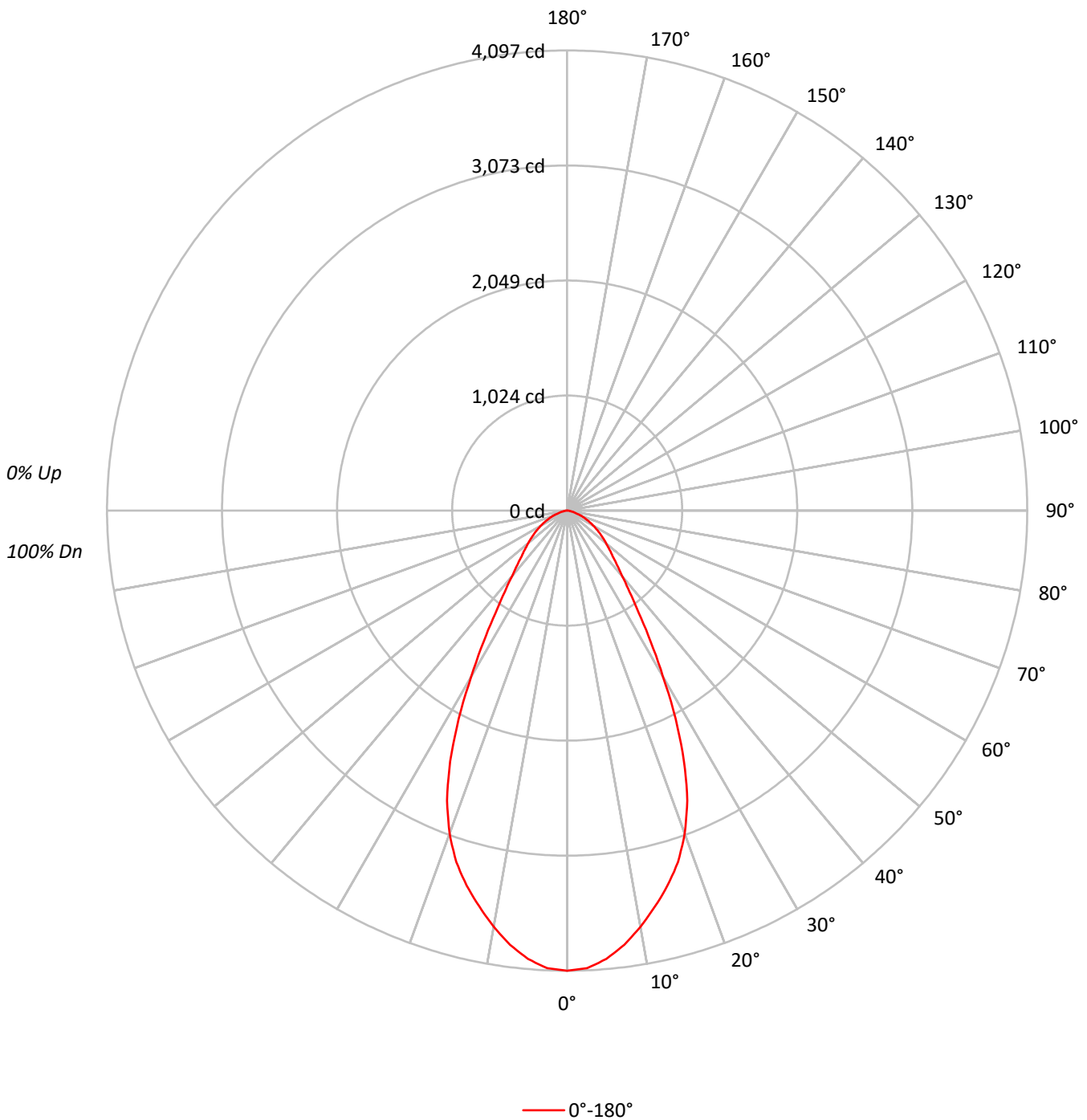
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	293367
5°	287947
10°	273529
15°	256170
20°	233232
25°	194555
30°	141083
35°	97060
40°	71355
45°	57921
50°	50383
55°	44516
60°	38722
65°	32851
70°	26546
75°	19199
80°	12824
85°	13802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.6	8.9
10°-20°	965.2	22.9
20°-30°	1107.7	26.2
30°-40°	716.9	17.0
40°-50°	450.4	10.7
50°-60°	320.5	7.6
60°-70°	193.3	4.6
70°-80°	76.8	1.8
80°-90°	16.6	0.4
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°	2447.5	58.0
0°-40°	3164.4	74.9
0°-60°	3935.3	93.2
0°-90°	4222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4222.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4097	
5°	4006	375
15°	3456	965
25°	2463	1108
35°	1110	717
45°	572	450
55°	357	321
65°	194	193
75°	69	77
85°	17	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4097.2
2.5°	4078.0
5°	4006.2
7.5°	3898.5
10°	3762.1
12.5°	3611.4
15°	3455.8
17.5°	3281.1
20°	3060.9
22.5°	2795.3
25°	2462.6
27.5°	2091.7
30°	1706.4
32.5°	1380.9
35°	1110.4
37.5°	911.8
40°	763.4
42.5°	655.7
45°	572.0
47.5°	507.4
50°	452.3
52.5°	404.5
55°	356.6
57.5°	313.5
60°	270.4
62.5°	232.1
65°	193.9
67.5°	158.0
70°	126.8
72.5°	95.7
75°	69.4
77.5°	47.9
80°	31.1
82.5°	19.1
85°	16.8
87.5°	9.6
90°	0.0

(END OF REPORT)