

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: P365854

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365854
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-FEU6B67-8040-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: 4267.0 lumens
Efficiency: N/A
Efficacy: 58.1 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

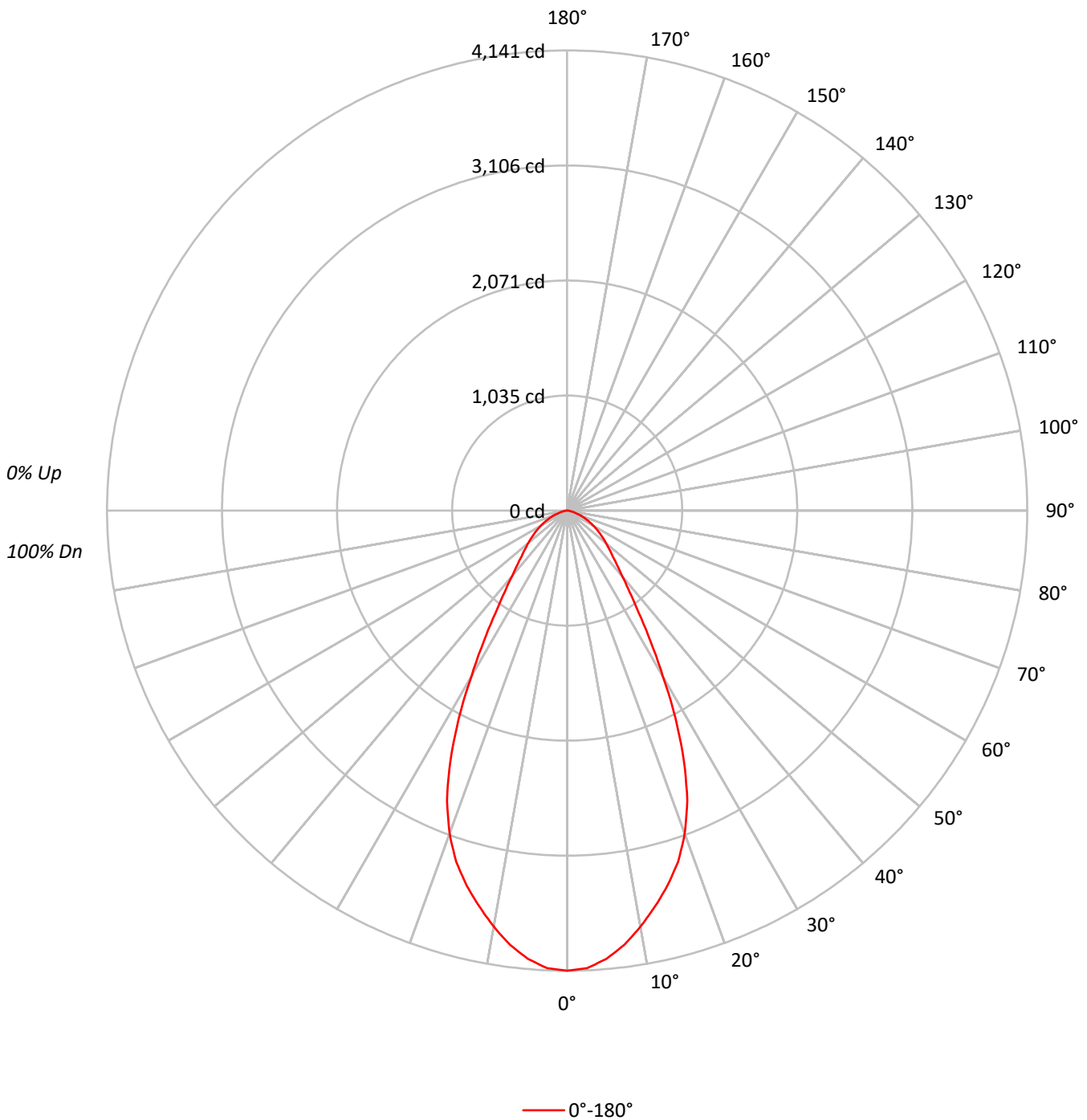
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82					82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74					74			
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67					67			
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62					62			
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57					57			
7	77	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	52					52			
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49					49			
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	45					45			
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296489
5°	291016
10°	276444
15°	258898
20°	235716
25°	196633
30°	142579
35°	98100
40°	72121
45°	58539
50°	50918
55°	44990
60°	39138
65°	33190
70°	26839
75°	19393
80°	12947
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	8.9
10°-20°	975.5	22.9
20°-30°	1119.5	26.2
30°-40°	724.5	17.0
40°-50°	455.2	10.7
50°-60°	323.9	7.6
60°-70°	195.3	4.6
70°-80°	77.6	1.8
80°-90°	16.8	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°	2473.6	58.0
0°-40°	3198.1	75.0
0°-60°	3977.2	93.2
0°-90°	4267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4267.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4141	
5°	4049	379
15°	3493	976
25°	2489	1119
35°	1122	725
45°	578	455
55°	360	324
65°	196	195
75°	70	78
85°	17	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4140.8
2.5°	4121.5
5°	4048.9
7.5°	3940.1
10°	3802.2
12.5°	3649.8
15°	3492.6
17.5°	3316.1
20°	3093.5
22.5°	2825.1
25°	2488.9
27.5°	2114.0
30°	1724.5
32.5°	1395.6
35°	1122.3
37.5°	921.5
40°	771.6
42.5°	662.7
45°	578.1
47.5°	512.8
50°	457.1
52.5°	408.8
55°	360.4
57.5°	316.9
60°	273.3
62.5°	234.6
65°	195.9
67.5°	159.6
70°	128.2
72.5°	96.7
75°	70.1
77.5°	48.4
80°	31.4
82.5°	19.3
85°	16.9
87.5°	9.7
90°	0.0

(END OF REPORT)