

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: P365841

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4258.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

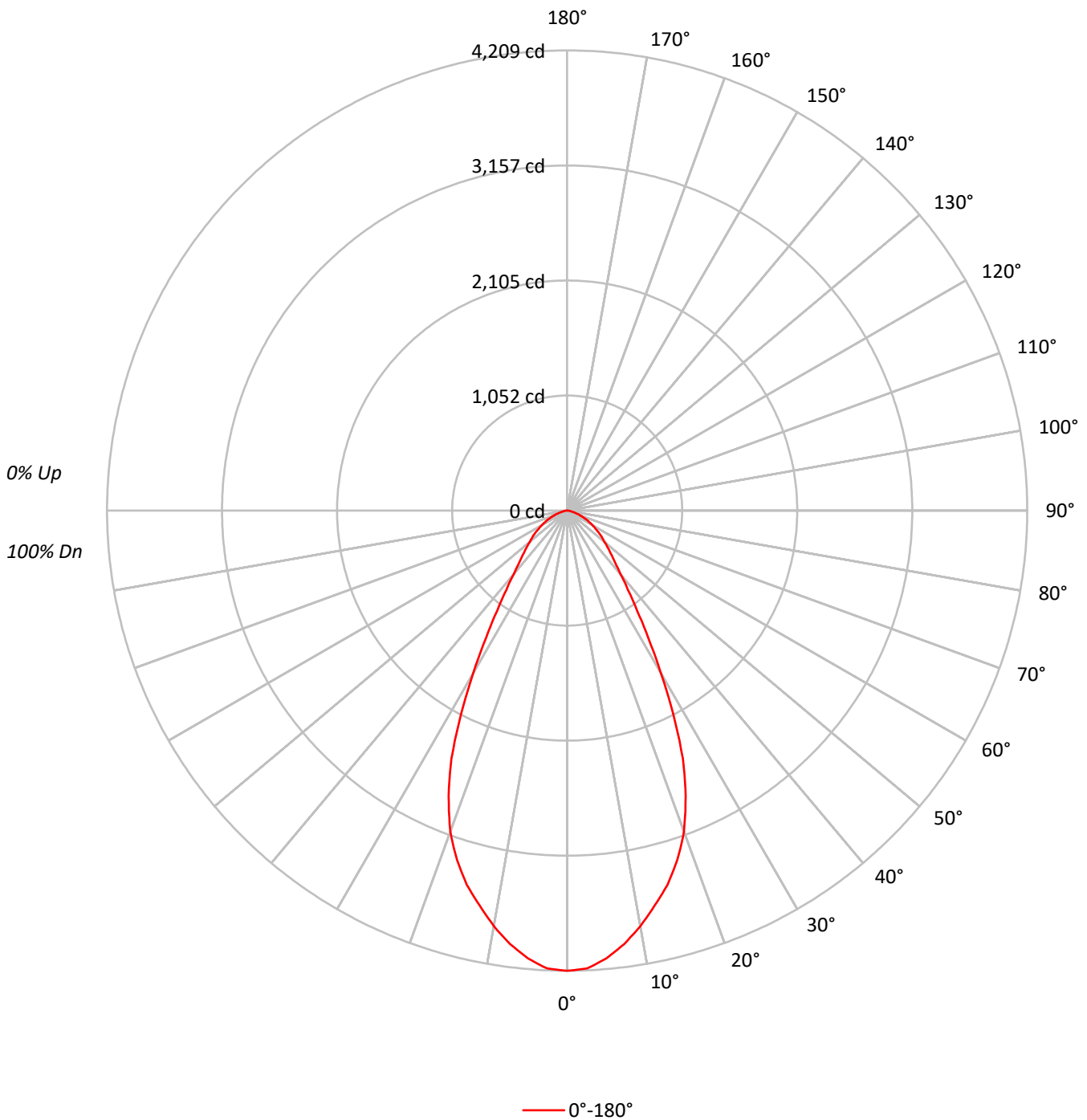
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301379
5°	295480
10°	280632
15°	262701
20°	238124
25°	197747
30°	141852
35°	97261
40°	71345
45°	57911
50°	49848
55°	44216
60°	38379
65°	32428
70°	25541
75°	18535
80°	11834
85°	13802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	9.0
10°-20°	987.8	23.2
20°-30°	1121.6	26.3
30°-40°	717.9	16.9
40°-50°	448.5	10.5
50°-60°	317.5	7.5
60°-70°	190.0	4.5
70°-80°	74.0	1.7
80°-90°	16.3	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°	2493.9	58.6
0°-40°	3211.7	75.4
0°-60°	3977.7	93.4
0°-90°	4258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4209	
5°	4111	384
15°	3544	988
25°	2503	1122
35°	1113	718
45°	572	448
55°	354	318
65°	191	190
75°	67	74
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4209.1
2.5°	4192.4
5°	4111.0
7.5°	3998.6
10°	3859.8
12.5°	3699.4
15°	3543.9
17.5°	3350.1
20°	3125.1
22.5°	2833.2
25°	2503.0
27.5°	2103.4
30°	1715.7
32.5°	1378.3
35°	1112.7
37.5°	914.1
40°	763.3
42.5°	650.9
45°	571.9
47.5°	504.9
50°	447.5
52.5°	402.0
55°	354.2
57.5°	308.7
60°	268.0
62.5°	227.3
65°	191.4
67.5°	155.5
70°	122.0
72.5°	93.3
75°	67.0
77.5°	45.5
80°	28.7
82.5°	19.1
85°	16.8
87.5°	9.6
90°	0.0

(END OF REPORT)