

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: P365831

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4316.1 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

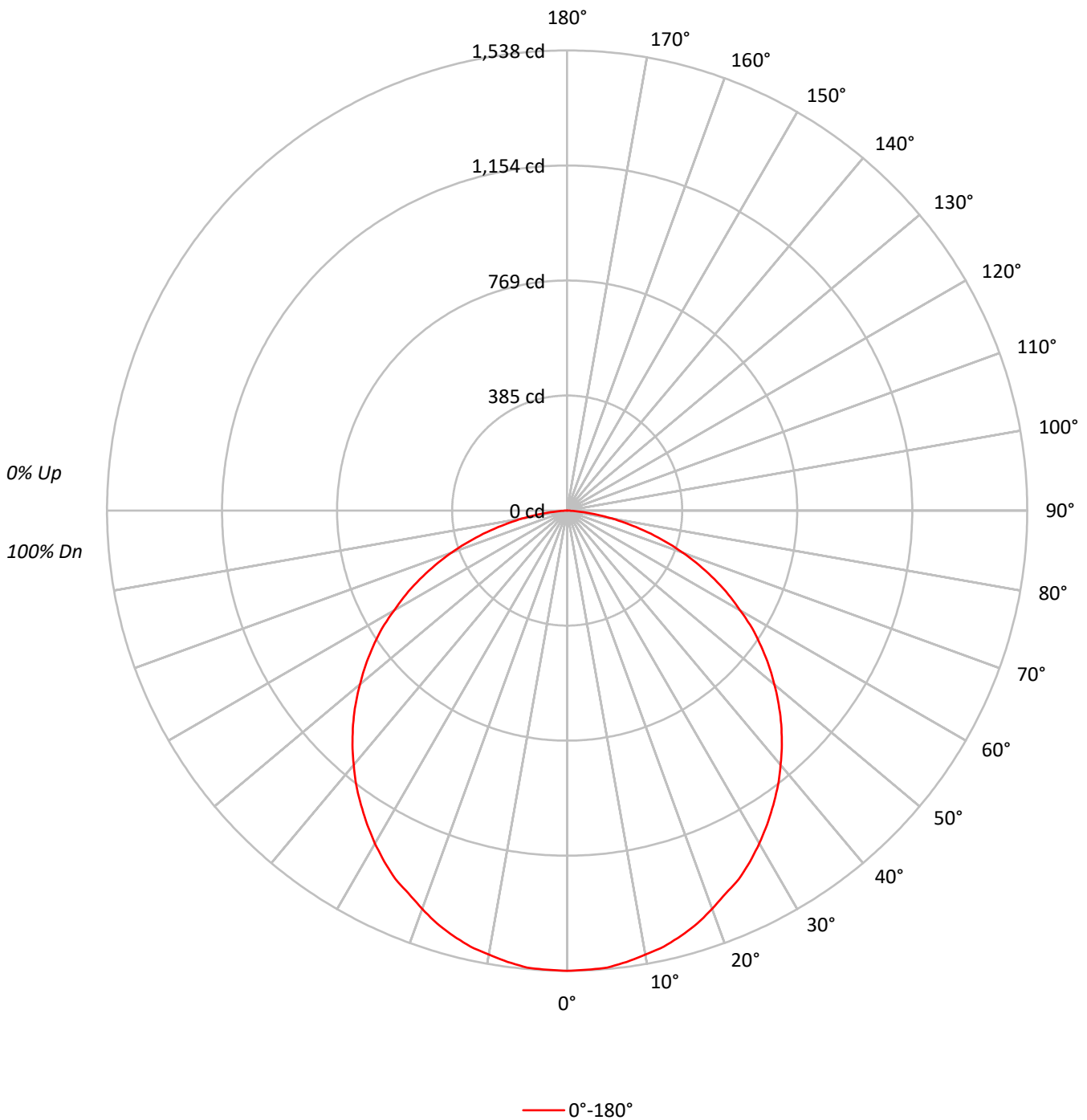
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42019
5°	42048
10°	41805
15°	41607
20°	41169
25°	40956
30°	40521
35°	40048
40°	39583
45°	39093
50°	38428
55°	37712
60°	36466
65°	35102
70°	32864
75°	29287
80°	23705
85°	14260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	3.4
10°-20°	414.9	9.6
20°-30°	625.2	14.5
30°-40°	751.8	17.4
40°-50°	780.2	18.1
50°-60°	707.1	16.4
60°-70°	536.6	12.4
70°-80°	293.5	6.8
80°-90°	61.5	1.4
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°	1185.5	27.5
0°-40°	1937.3	44.9
0°-60°	3424.5	79.3
0°-90°	4316.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4316.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1538	
5°	1534	145
15°	1471	415
25°	1359	625
35°	1201	752
45°	1012	780
55°	792	707
65°	543	537
75°	278	294
85°	46	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1538.3
2.5°	1535.9
5°	1533.5
7.5°	1521.5
10°	1507.2
12.5°	1492.8
15°	1471.3
17.5°	1447.4
20°	1416.3
22.5°	1385.2
25°	1358.9
27.5°	1323.0
30°	1284.7
32.5°	1244.0
35°	1201.0
37.5°	1157.9
40°	1110.1
42.5°	1062.2
45°	1012.0
47.5°	959.3
50°	904.3
52.5°	849.3
55°	791.9
57.5°	734.5
60°	667.5
62.5°	607.7
65°	543.1
67.5°	478.5
70°	411.5
72.5°	344.5
75°	277.5
77.5°	210.5
80°	150.7
82.5°	93.3
85°	45.5
87.5°	12.0
90°	0.0

(END OF REPORT)