

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: P365849

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365849
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-FEU6B67-8040-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: 4361.0 lumens
Efficiency: N/A
Efficacy: 59.4 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

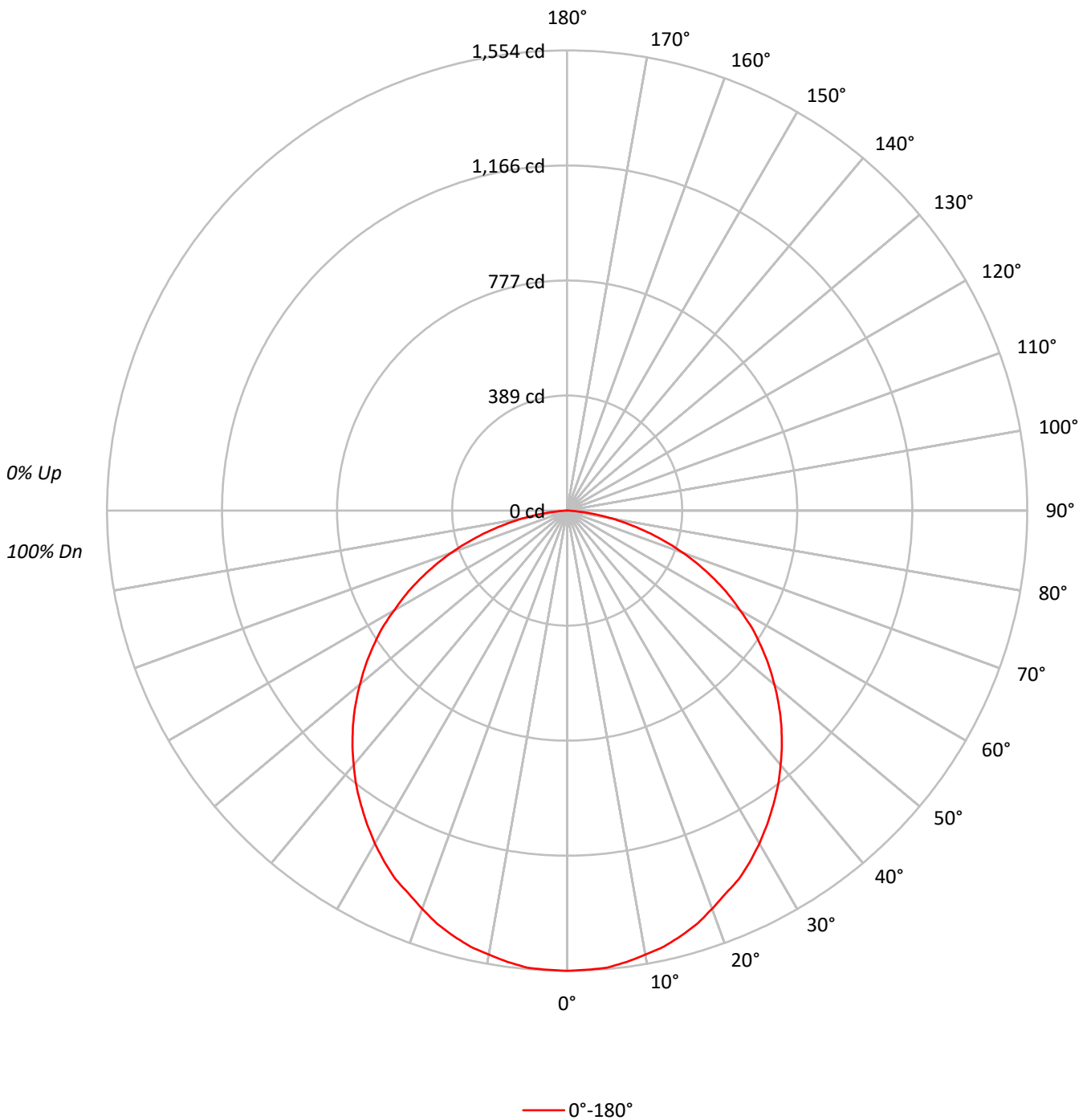
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	42456
5°	42487
10°	42240
15°	42039
20°	41597
25°	41381
30°	40943
35°	40465
40°	39994
45°	39499
50°	38828
55°	38103
60°	36843
65°	35464
70°	33208
75°	29593
80°	23957
85°	14385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	3.4
10°-20°	419.2	9.6
20°-30°	631.7	14.5
30°-40°	759.6	17.4
40°-50°	788.3	18.1
50°-60°	714.4	16.4
60°-70°	542.1	12.4
70°-80°	296.6	6.8
80°-90°	62.1	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°	1197.9	27.5
0°-40°	1957.5	44.9
0°-60°	3460.2	79.3
0°-90°	4361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1554	
5°	1550	147
15°	1487	419
25°	1373	632
35°	1214	760
45°	1022	788
55°	800	714
65°	549	542
75°	280	297
85°	46	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1554.3
2.5°	1551.9
5°	1549.5
7.5°	1537.4
10°	1522.9
12.5°	1508.4
15°	1486.6
17.5°	1462.5
20°	1431.0
22.5°	1399.6
25°	1373.0
27.5°	1336.8
30°	1298.1
32.5°	1257.0
35°	1213.5
37.5°	1170.0
40°	1121.6
42.5°	1073.3
45°	1022.5
47.5°	969.3
50°	913.7
52.5°	858.1
55°	800.1
57.5°	742.1
60°	674.4
62.5°	614.0
65°	548.7
67.5°	483.5
70°	415.8
72.5°	348.1
75°	280.4
77.5°	212.7
80°	152.3
82.5°	94.3
85°	45.9
87.5°	12.1
90°	0.0

(END OF REPORT)