

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: P365129

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
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-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4988.0 lumens
Efficiency: N/A
Efficacy: 68.0 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

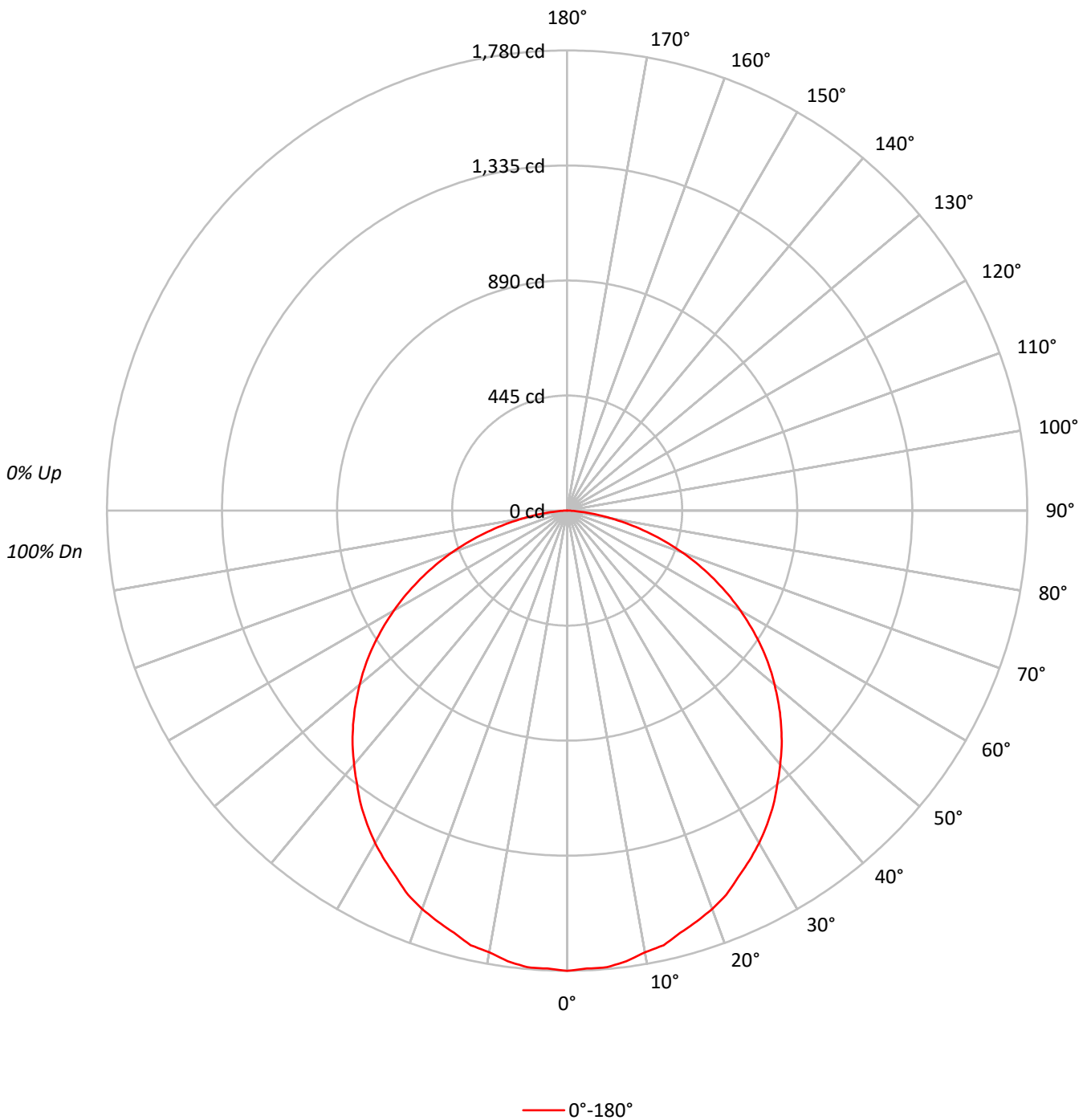
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		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	34	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°	48629
5°	48618
10°	48106
15°	47814
20°	47672
25°	47171
30°	46845
35°	46381
40°	45713
45°	45228
50°	44509
55°	43661
60°	42289
65°	40493
70°	37864
75°	33698
80°	27009
85°	16673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	3.4
10°-20°	478.1	9.6
20°-30°	722.5	14.5
30°-40°	869.0	17.4
40°-50°	902.6	18.1
50°-60°	818.2	16.4
60°-70°	619.4	12.4
70°-80°	338.2	6.8
80°-90°	72.0	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°	1368.6	27.4
0°-40°	2237.6	44.9
0°-60°	3958.4	79.4
0°-90°	4988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1780	
5°	1773	168
15°	1691	478
25°	1565	723
35°	1391	869
45°	1171	903
55°	917	818
65°	626	619
75°	319	338
85°	53	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1780.3
2.5°	1773.1
5°	1773.1
7.5°	1758.6
10°	1734.4
12.5°	1722.3
15°	1690.8
17.5°	1666.7
20°	1640.0
22.5°	1608.6
25°	1565.1
27.5°	1526.4
30°	1485.2
32.5°	1439.3
35°	1390.9
37.5°	1335.3
40°	1282.0
42.5°	1228.8
45°	1170.8
47.5°	1110.3
50°	1047.4
52.5°	984.5
55°	916.8
57.5°	846.6
60°	774.1
62.5°	701.5
65°	626.5
67.5°	551.5
70°	474.1
72.5°	396.7
75°	319.3
77.5°	244.3
80°	171.7
82.5°	108.9
85°	53.2
87.5°	16.9
90°	0.0

(END OF REPORT)