

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: P365109

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2748.0 lumens
Efficiency: N/A
Efficacy: 37.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

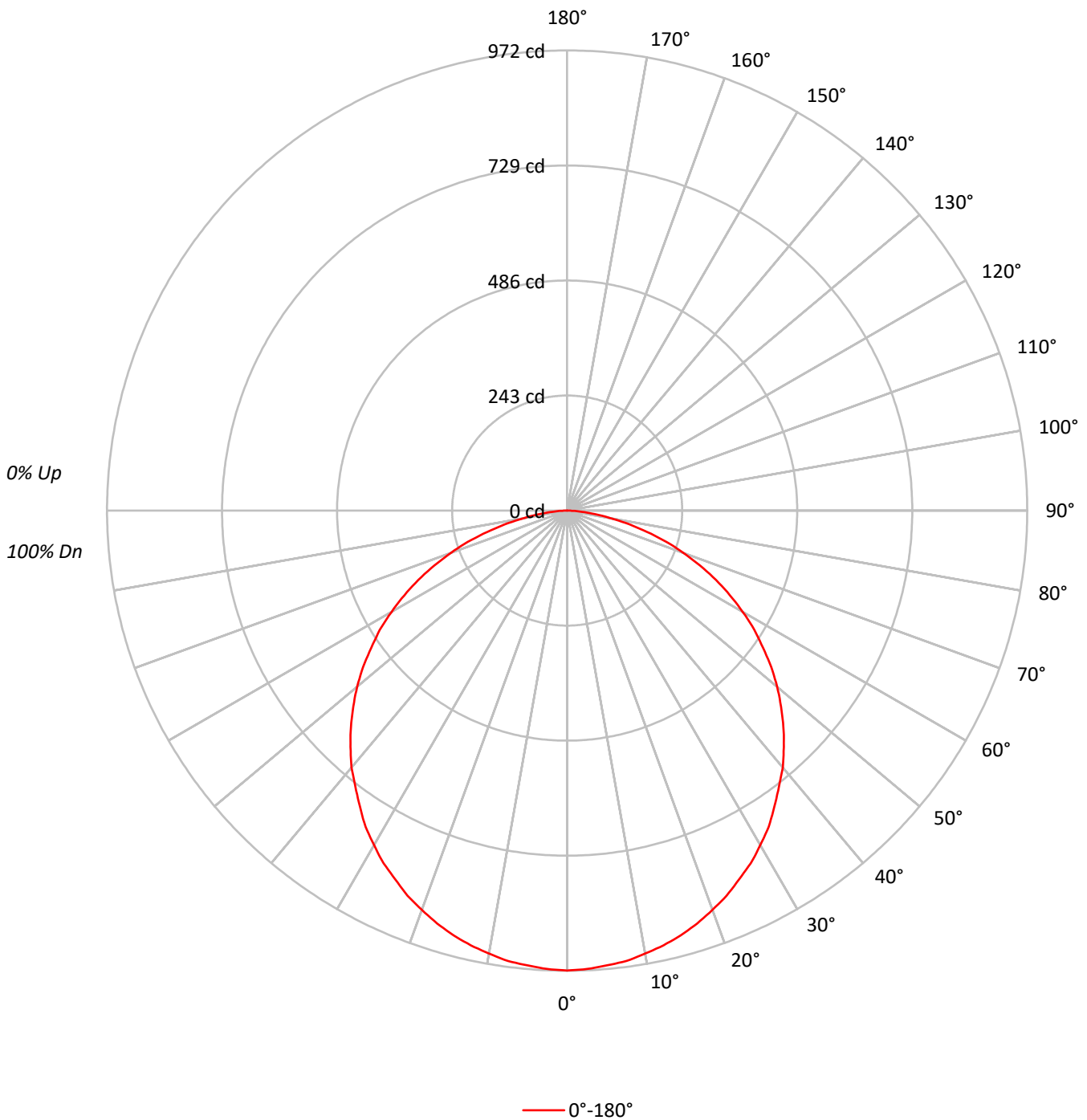
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26540
5°	26446
10°	26353
15°	26260
20°	26089
25°	25895
30°	25741
35°	25456
40°	25260
45°	24962
50°	24613
55°	24049
60°	23404
65°	22428
70°	20837
75°	18438
80°	15054
85°	9747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	3.3
10°-20°	262.0	9.5
20°-30°	396.6	14.4
30°-40°	478.0	17.4
40°-50°	498.2	18.1
50°-60°	452.1	16.4
60°-70°	342.2	12.5
70°-80°	186.4	6.8
80°-90°	41.0	1.5
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°	750.2	27.3
0°-40°	1228.3	44.7
0°-60°	2178.5	79.3
0°-90°	2748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2748.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	972	
5°	964	92
15°	929	262
25°	859	397
35°	763	478
45°	646	498
55°	505	452
65°	347	342
75°	175	186
85°	31	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	971.6
2.5°	969.3
5°	964.5
7.5°	959.7
10°	950.1
12.5°	940.5
15°	928.6
17.5°	914.2
20°	897.5
22.5°	880.7
25°	859.2
27.5°	840.0
30°	816.1
32.5°	792.2
35°	763.4
37.5°	734.7
40°	708.4
42.5°	677.3
45°	646.2
47.5°	612.7
50°	579.2
52.5°	543.3
55°	505.0
57.5°	469.1
60°	428.4
62.5°	387.7
65°	347.0
67.5°	303.9
70°	260.9
72.5°	220.2
75°	174.7
77.5°	134.0
80°	95.7
82.5°	59.8
85°	31.1
87.5°	12.0
90°	0.0

(END OF REPORT)