

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: P366585

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2765.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

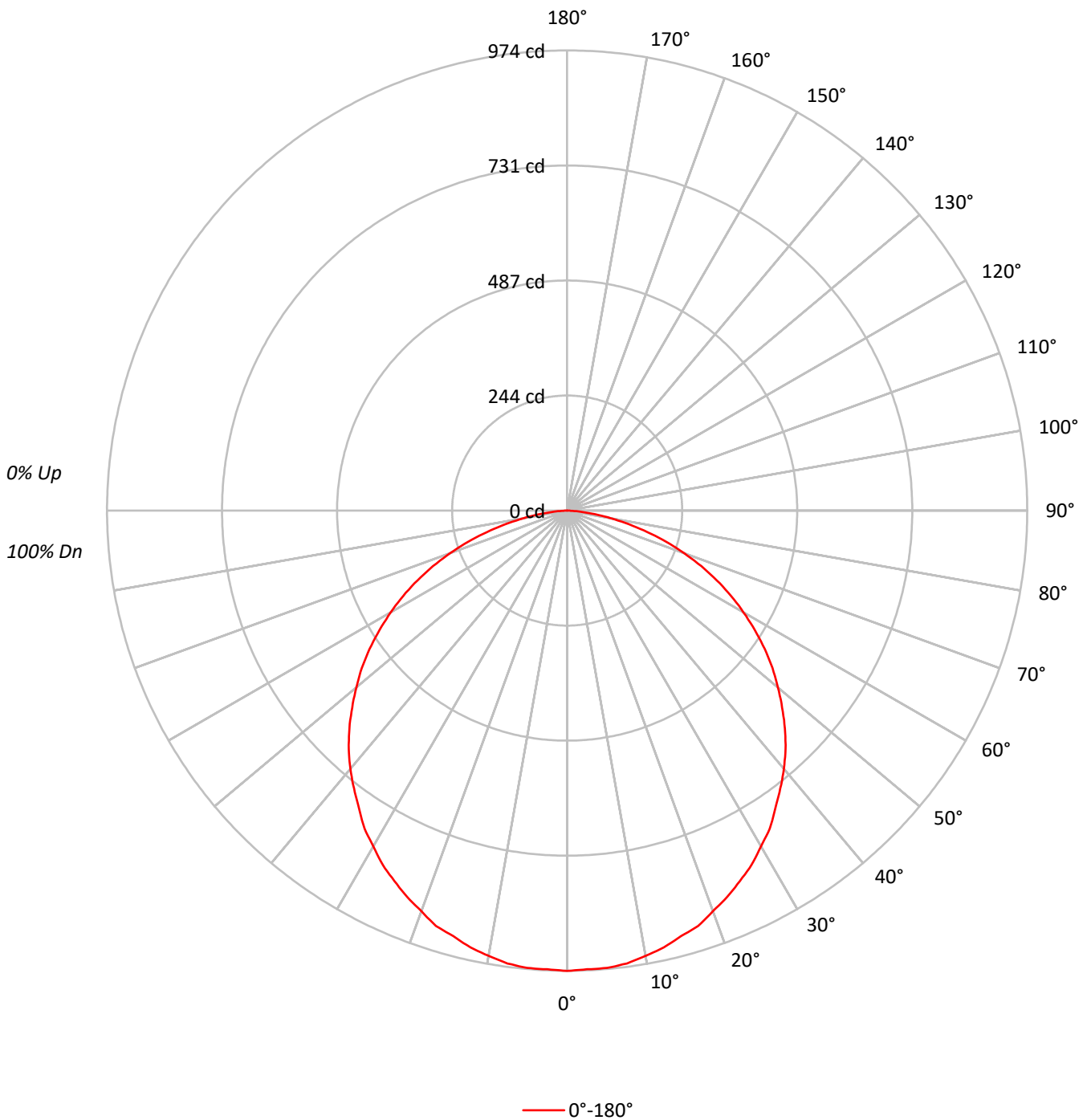
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	70	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	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°	26613
5°	26646
10°	26544
15°	26362
20°	26231
25°	26076
30°	25883
35°	25626
40°	25459
45°	25187
50°	24758
55°	24321
60°	23568
65°	22596
70°	20988
75°	18575
80°	14818
85°	8556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.3
10°-20°	263.7	9.5
20°-30°	399.0	14.4
30°-40°	481.6	17.4
40°-50°	502.4	18.2
50°-60°	455.5	16.5
60°-70°	345.3	12.5
70°-80°	186.9	6.8
80°-90°	38.4	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°	754.9	27.3
0°-40°	1236.6	44.7
0°-60°	2194.4	79.4
0°-90°	2765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	974	
5°	972	92
15°	932	264
25°	865	399
35°	768	482
45°	652	502
55°	511	455
65°	350	345
75°	176	187
85°	27	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	974.3
2.5°	971.8
5°	971.8
7.5°	966.9
10°	957.0
12.5°	947.0
15°	932.2
17.5°	922.3
20°	902.4
22.5°	885.1
25°	865.2
27.5°	845.4
30°	820.6
32.5°	798.3
35°	768.5
37.5°	741.3
40°	714.0
42.5°	684.3
45°	652.0
47.5°	617.3
50°	582.6
52.5°	547.9
55°	510.7
57.5°	471.0
60°	431.4
62.5°	391.7
65°	349.6
67.5°	307.4
70°	262.8
72.5°	220.6
75°	176.0
77.5°	133.9
80°	94.2
82.5°	59.5
85°	27.3
87.5°	7.4
90°	0.0

(END OF REPORT)