

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: P366369

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366369
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: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1946.9 lumens
Efficiency: N/A
Efficacy: 35.3 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

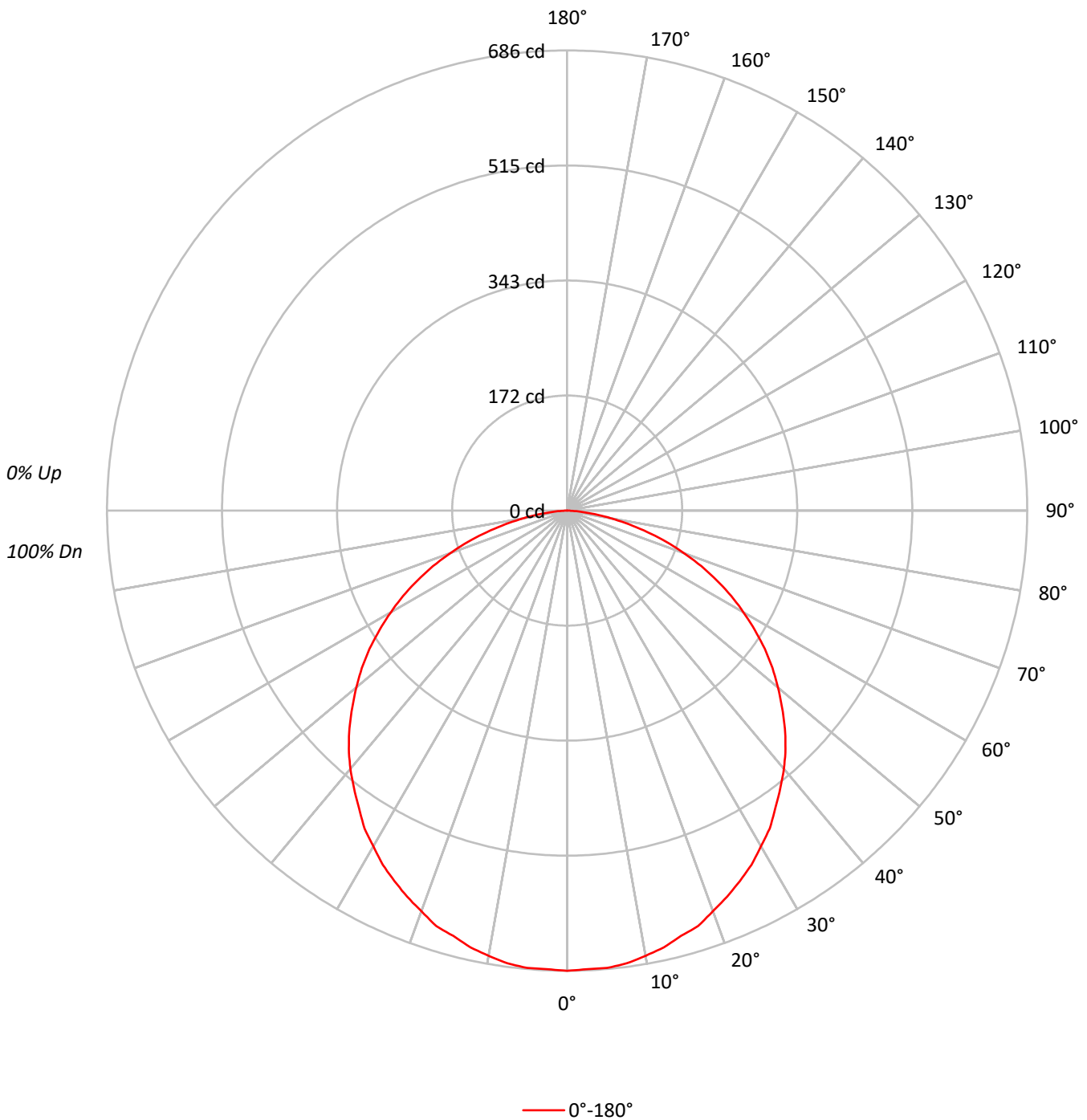
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18741
5°	18763
10°	18692
15°	18562
20°	18470
25°	18364
30°	18224
35°	18047
40°	17929
45°	17735
50°	17431
55°	17125
60°	16597
65°	15906
70°	14775
75°	13076
80°	10429
85°	6017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.3
10°-20°	185.7	9.5
20°-30°	280.9	14.4
30°-40°	339.2	17.4
40°-50°	353.7	18.2
50°-60°	320.7	16.5
60°-70°	243.1	12.5
70°-80°	131.6	6.8
80°-90°	27.0	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°	531.6	27.3
0°-40°	870.7	44.7
0°-60°	1545.2	79.4
0°-90°	1946.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1946.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	684	65
15°	656	186
25°	609	281
35°	541	339
45°	459	354
55°	360	321
65°	246	243
75°	124	132
85°	19	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	686.1
2.5°	684.3
5°	684.3
7.5°	680.8
10°	673.9
12.5°	666.9
15°	656.4
17.5°	649.4
20°	635.4
22.5°	623.2
25°	609.3
27.5°	595.3
30°	577.8
32.5°	562.1
35°	541.2
37.5°	522.0
40°	502.8
42.5°	481.8
45°	459.1
47.5°	434.7
50°	410.2
52.5°	385.8
55°	359.6
57.5°	331.7
60°	303.8
62.5°	275.8
65°	246.1
67.5°	216.5
70°	185.0
72.5°	155.4
75°	123.9
77.5°	94.3
80°	66.3
82.5°	41.9
85°	19.2
87.5°	5.2
90°	0.0

(END OF REPORT)