

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: P365613

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1660.0 lumens
Efficiency: N/A
Efficacy: 30.1 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

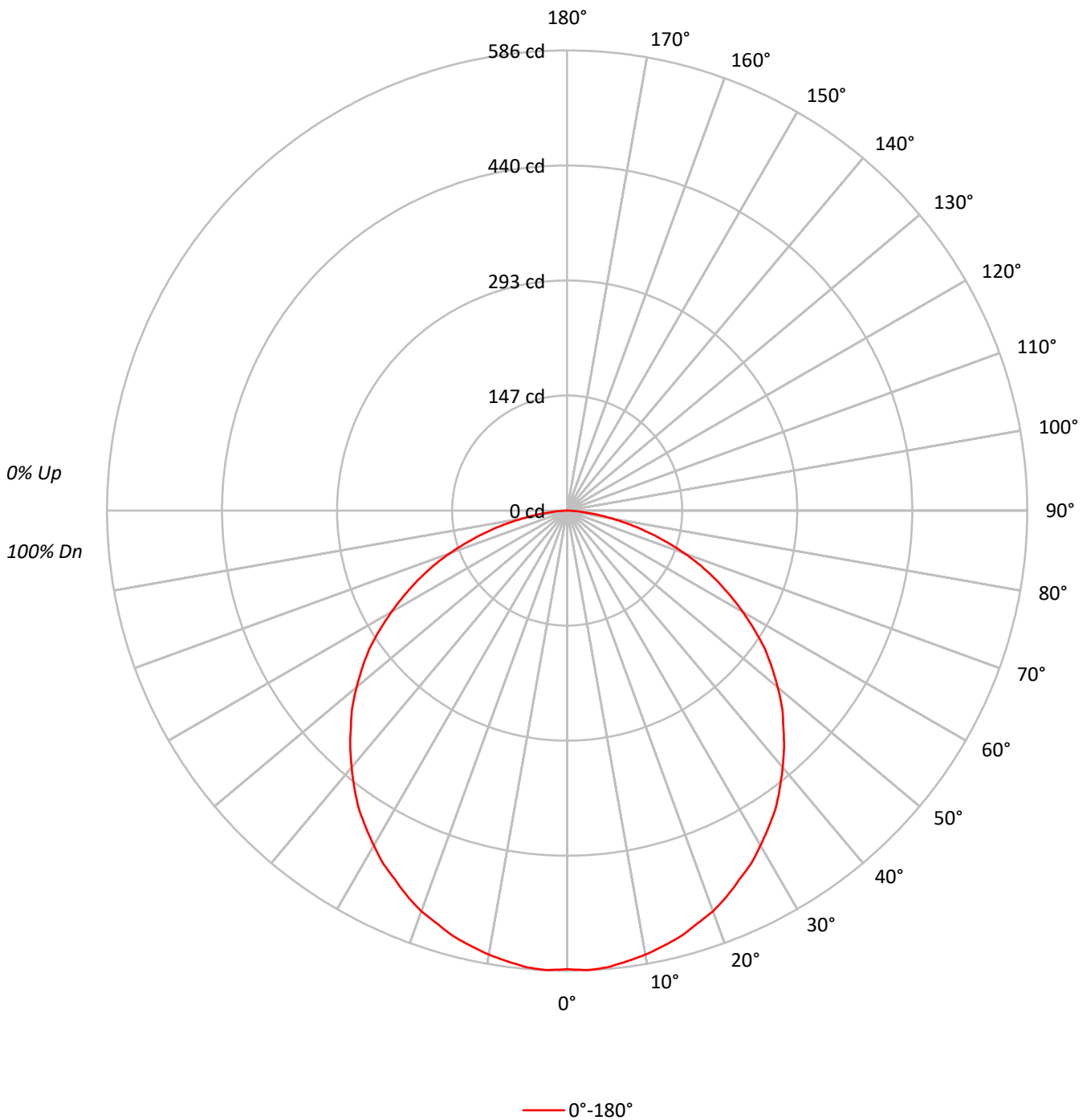
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	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°	15952
5°	16013
10°	15926
15°	15867
20°	15787
25°	15630
30°	15531
35°	15439
40°	15226
45°	15042
50°	14878
55°	14649
60°	14122
65°	13534
70°	12674
75°	11219
80°	9013
85°	5140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	3.3
10°-20°	158.2	9.5
20°-30°	239.5	14.4
30°-40°	289.0	17.4
40°-50°	300.9	18.1
50°-60°	273.7	16.5
60°-70°	207.0	12.5
70°-80°	113.0	6.8
80°-90°	23.4	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°	453.0	27.3
0°-40°	742.1	44.7
0°-60°	1316.7	79.3
0°-90°	1660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1660.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	584	
5°	584	55
15°	561	158
25°	519	239
35°	463	289
45°	389	301
55°	308	274
65°	209	207
75°	106	113
85°	16	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	584.0
2.5°	585.7
5°	584.0
7.5°	579.1
10°	574.2
12.5°	567.7
15°	561.1
17.5°	551.3
20°	543.1
22.5°	531.7
25°	518.6
27.5°	507.2
30°	492.4
32.5°	477.7
35°	463.0
37.5°	445.0
40°	427.0
42.5°	409.0
45°	389.4
47.5°	371.4
50°	350.1
52.5°	328.8
55°	307.6
57.5°	283.0
60°	258.5
62.5°	233.9
65°	209.4
67.5°	184.9
70°	158.7
72.5°	132.5
75°	106.3
77.5°	81.8
80°	57.3
82.5°	36.0
85°	16.4
87.5°	4.9
90°	0.0

(END OF REPORT)