

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: P366477

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366477
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: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2298.1 lumens
Efficiency: N/A
Efficacy: 39.6 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

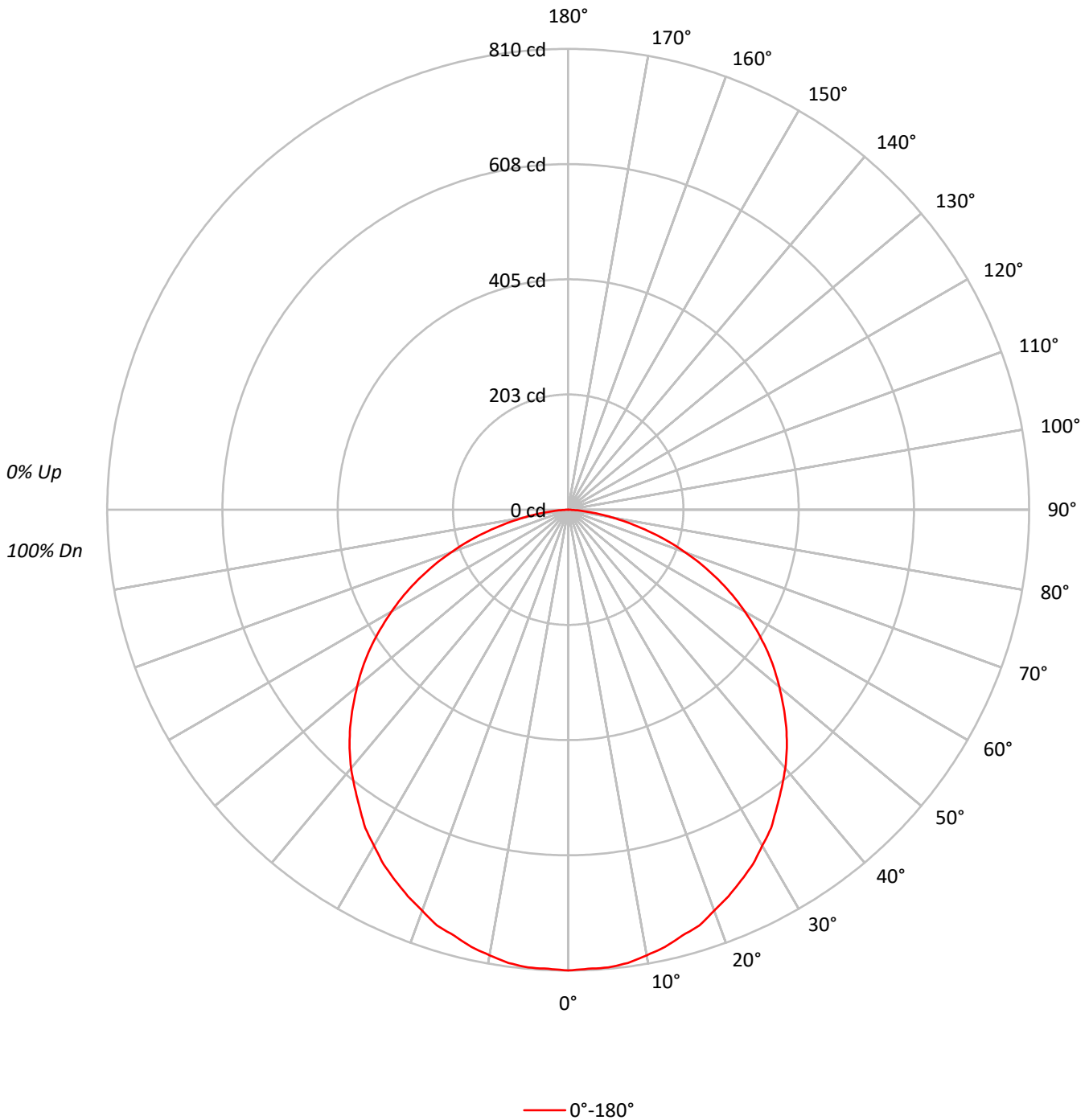
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	22120
5°	22147
10°	22059
15°	21908
20°	21801
25°	21673
30°	21511
35°	21298
40°	21159
45°	20933
50°	20576
55°	20216
60°	19585
65°	18776
70°	17442
75°	15440
80°	12317
85°	7114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	3.3
10°-20°	219.1	9.5
20°-30°	331.6	14.4
30°-40°	400.3	17.4
40°-50°	417.5	18.2
50°-60°	378.6	16.5
60°-70°	287.0	12.5
70°-80°	155.3	6.8
80°-90°	32.0	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°	627.4	27.3
0°-40°	1027.7	44.7
0°-60°	1823.8	79.4
0°-90°	2298.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2298.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	810	
5°	808	77
15°	775	219
25°	719	332
35°	639	400
45°	542	418
55°	424	379
65°	290	287
75°	146	155
85°	23	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	809.8
2.5°	807.7
5°	807.7
7.5°	803.6
10°	795.3
12.5°	787.1
15°	774.7
17.5°	766.5
20°	750.0
22.5°	735.6
25°	719.1
27.5°	702.6
30°	682.0
32.5°	663.5
35°	638.7
37.5°	616.1
40°	593.4
42.5°	568.7
45°	541.9
47.5°	513.1
50°	484.2
52.5°	455.4
55°	424.5
57.5°	391.5
60°	358.5
62.5°	325.6
65°	290.5
67.5°	255.5
70°	218.4
72.5°	183.4
75°	146.3
77.5°	111.3
80°	78.3
82.5°	49.5
85°	22.7
87.5°	6.2
90°	0.0

(END OF REPORT)