

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: P364983

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364983
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: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2194.0 lumens
Efficiency: N/A
Efficacy: 37.8 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

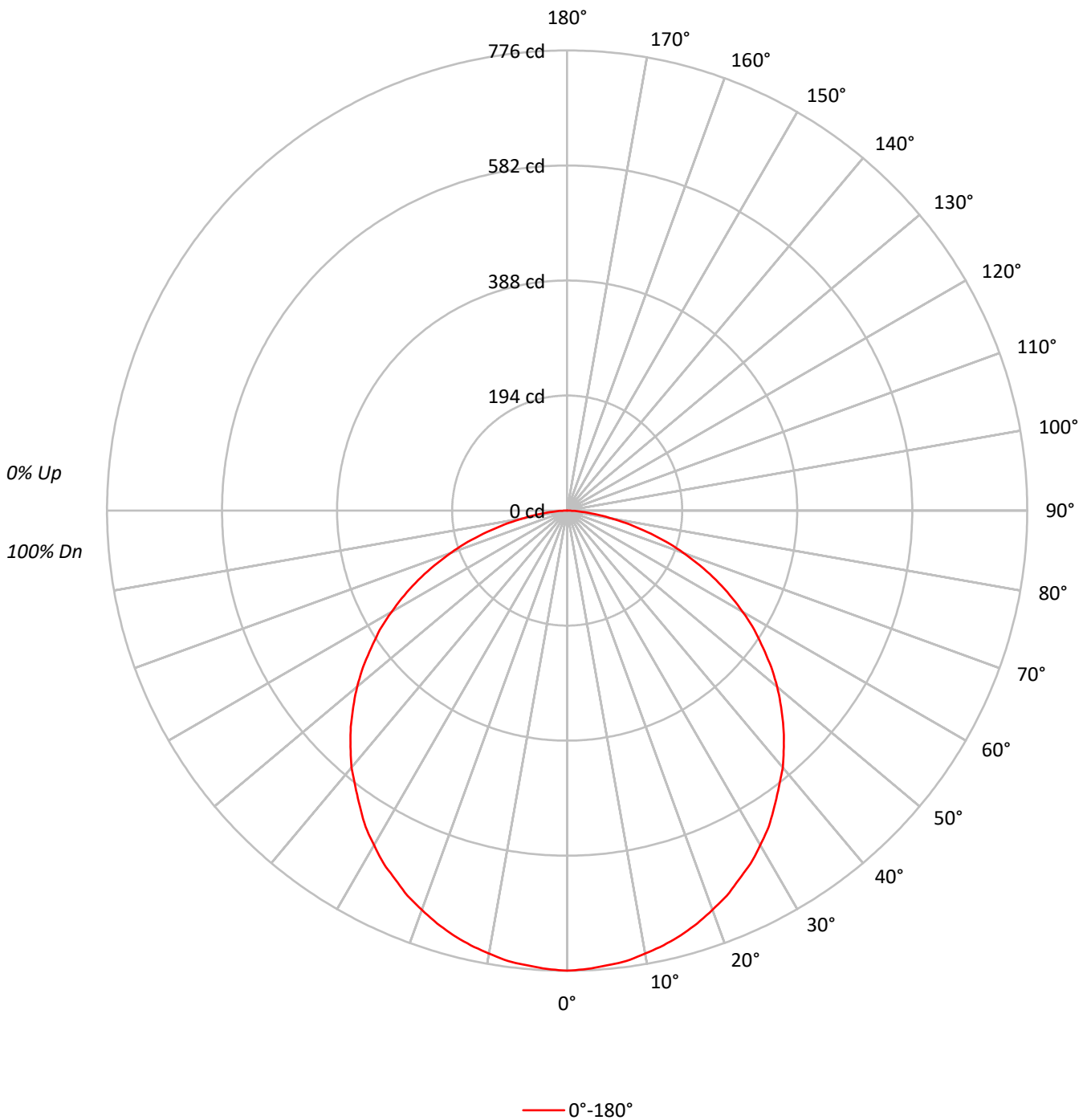
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21191
5°	21113
10°	21041
15°	20966
20°	20827
25°	20675
30°	20552
35°	20324
40°	20168
45°	19929
50°	19650
55°	19201
60°	18684
65°	17910
70°	16636
75°	14723
80°	12018
85°	7773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	3.3
10°-20°	209.1	9.5
20°-30°	316.6	14.4
30°-40°	381.7	17.4
40°-50°	397.7	18.1
50°-60°	360.9	16.4
60°-70°	273.2	12.5
70°-80°	148.8	6.8
80°-90°	32.7	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°	599.0	27.3
0°-40°	980.7	44.7
0°-60°	1739.3	79.3
0°-90°	2194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2194.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	776	
5°	770	73
15°	741	209
25°	686	317
35°	610	382
45°	516	398
55°	403	361
65°	277	273
75°	140	149
85°	25	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	775.8
2.5°	773.9
5°	770.0
7.5°	766.2
10°	758.6
12.5°	750.9
15°	741.4
17.5°	729.9
20°	716.5
22.5°	703.2
25°	686.0
27.5°	670.7
30°	651.6
32.5°	632.5
35°	609.5
37.5°	586.6
40°	565.6
42.5°	540.7
45°	515.9
47.5°	489.2
50°	462.4
52.5°	433.7
55°	403.2
57.5°	374.5
60°	342.0
62.5°	309.5
65°	277.1
67.5°	242.7
70°	208.3
72.5°	175.8
75°	139.5
77.5°	107.0
80°	76.4
82.5°	47.8
85°	24.8
87.5°	9.6
90°	0.0

(END OF REPORT)