

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: P365752

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

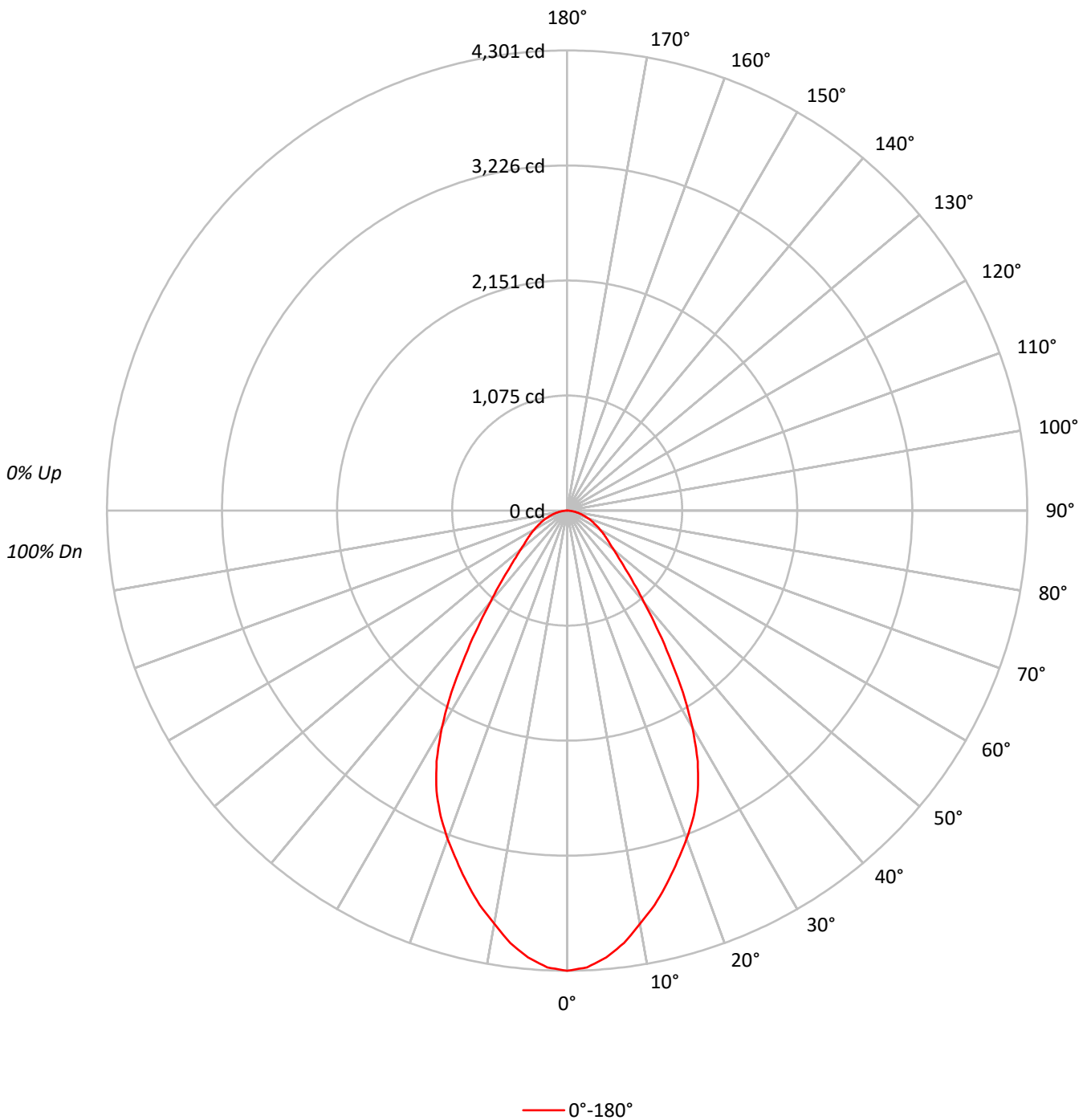
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117480
5°	114946
10°	108750
15°	102010
20°	94905
25°	87117
30°	73825
35°	55451
40°	39790
45°	29764
50°	23988
55°	21283
60°	19345
65°	17729
70°	16220
75°	14860
80°	13245
85°	10907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.6	7.5
10°-20°	1011.4	19.3
20°-30°	1309.9	25.0
30°-40°	1048.5	20.0
40°-50°	611.4	11.7
50°-60°	403.0	7.7
60°-70°	273.4	5.2
70°-80°	149.6	2.9
80°-90°	40.3	0.8
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°	2712.9	51.8
0°-40°	3761.3	71.8
0°-60°	4775.7	91.2
0°-90°	5239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5239.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4301	
5°	4192	392
15°	3607	1011
25°	2890	1310
35°	1663	1048
45°	770	611
55°	447	403
65°	274	273
75°	141	150
85°	35	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4300.9
2.5°	4273.4
5°	4192.1
7.5°	4076.0
10°	3920.8
12.5°	3775.7
15°	3607.3
17.5°	3431.8
20°	3264.9
22.5°	3090.8
25°	2890.5
27.5°	2642.4
30°	2340.6
32.5°	2014.1
35°	1662.9
37.5°	1368.3
40°	1115.9
42.5°	924.3
45°	770.5
47.5°	653.0
50°	564.5
52.5°	497.7
55°	446.9
57.5°	400.5
60°	354.1
62.5°	313.4
65°	274.3
67.5°	239.4
70°	203.1
72.5°	171.2
75°	140.8
77.5°	111.7
80°	84.2
82.5°	58.0
85°	34.8
87.5°	13.1
90°	0.0

(END OF REPORT)