

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: P365712

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3325.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

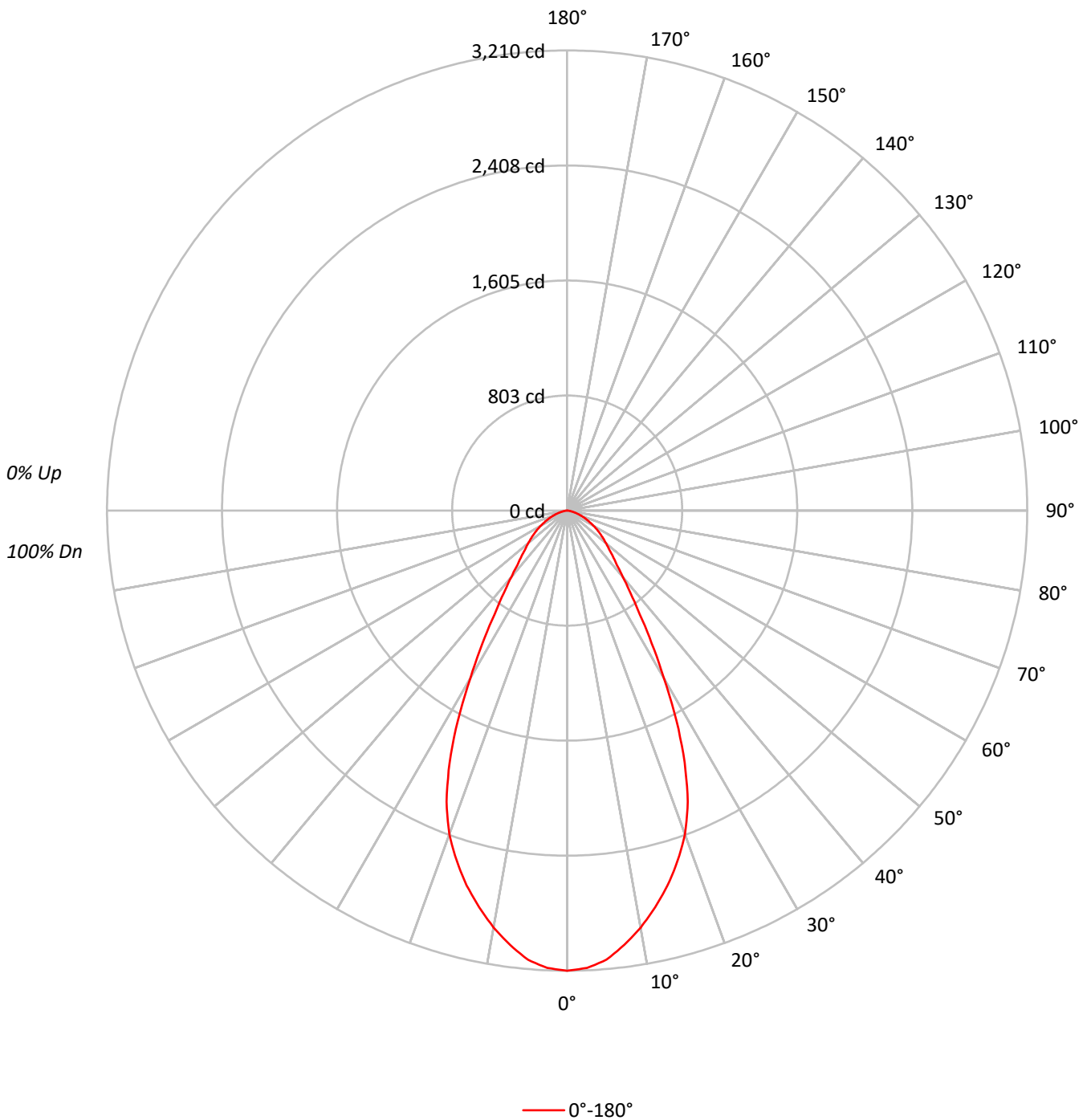
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229856
5°	226062
10°	214775
15°	200693
20°	183132
25°	153323
30°	111608
35°	77209
40°	56474
45°	45496
50°	39400
55°	34841
60°	30388
65°	25922
70°	21207
75°	15880
80°	11051
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	8.8
10°-20°	756.2	22.7
20°-30°	872.9	26.3
30°-40°	569.2	17.1
40°-50°	353.3	10.6
50°-60°	250.9	7.5
60°-70°	152.5	4.6
70°-80°	63.2	1.9
80°-90°	13.0	0.4
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°	1922.8	57.8
0°-40°	2492.0	74.9
0°-60°	3096.3	93.1
0°-90°	3325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3325.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3210	
5°	3145	294
15°	2707	756
25°	1941	873
35°	883	569
45°	449	353
55°	279	251
65°	153	153
75°	57	63
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3210.2
2.5°	3193.0
5°	3145.2
7.5°	3055.4
10°	2954.0
12.5°	2833.6
15°	2707.4
17.5°	2562.1
20°	2403.4
22.5°	2198.8
25°	1940.7
27.5°	1652.0
30°	1349.9
32.5°	1097.5
35°	883.3
37.5°	724.6
40°	604.2
42.5°	514.3
45°	449.3
47.5°	395.8
50°	353.7
52.5°	315.5
55°	279.1
57.5°	246.6
60°	212.2
62.5°	181.6
65°	153.0
67.5°	126.2
70°	101.3
72.5°	78.4
75°	57.4
77.5°	40.2
80°	26.8
82.5°	17.2
85°	11.5
87.5°	5.7
90°	0.0

(END OF REPORT)