

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: P365709

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3396.0 lumens
Efficiency: N/A
Efficacy: 58.5 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

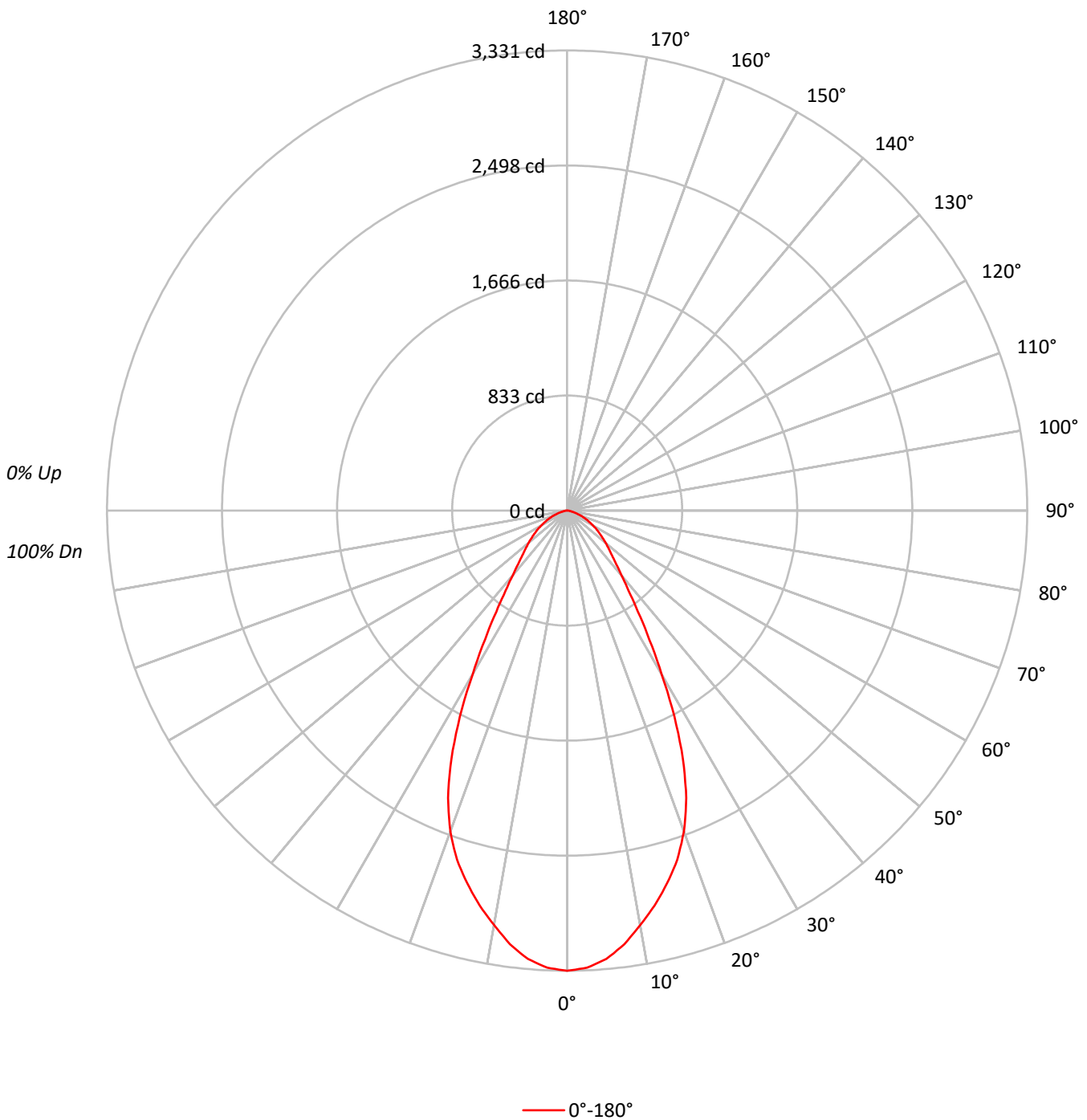
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238520
5°	234213
10°	221500
15°	207128
20°	188298
25°	156728
30°	113138
35°	78179
40°	57166
45°	46448
50°	40447
55°	35553
60°	30932
65°	26227
70°	21207
75°	14801
80°	9443
85°	11009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.2	9.0
10°-20°	780.7	23.0
20°-30°	891.7	26.3
30°-40°	575.1	16.9
40°-50°	361.2	10.6
50°-60°	256.2	7.5
60°-70°	154.3	4.5
70°-80°	59.6	1.8
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°	1976.6	58.2
0°-40°	2551.7	75.1
0°-60°	3169.1	93.3
0°-90°	3396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3396.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3331	
5°	3259	304
15°	2794	781
25°	1984	892
35°	894	575
45°	459	361
55°	285	256
65°	155	154
75°	54	60
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3331.2
2.5°	3312.1
5°	3258.6
7.5°	3166.9
10°	3046.5
12.5°	2928.0
15°	2794.2
17.5°	2650.8
20°	2471.2
22.5°	2253.3
25°	1983.8
27.5°	1679.9
30°	1368.4
32.5°	1106.6
35°	894.4
37.5°	730.1
40°	611.6
42.5°	525.6
45°	458.7
47.5°	407.1
50°	363.1
52.5°	323.0
55°	284.8
57.5°	250.4
60°	216.0
62.5°	185.4
65°	154.8
67.5°	126.1
70°	101.3
72.5°	74.5
75°	53.5
77.5°	36.3
80°	22.9
82.5°	15.3
85°	13.4
87.5°	7.6
90°	0.0

(END OF REPORT)