

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: P366452

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4644.1 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

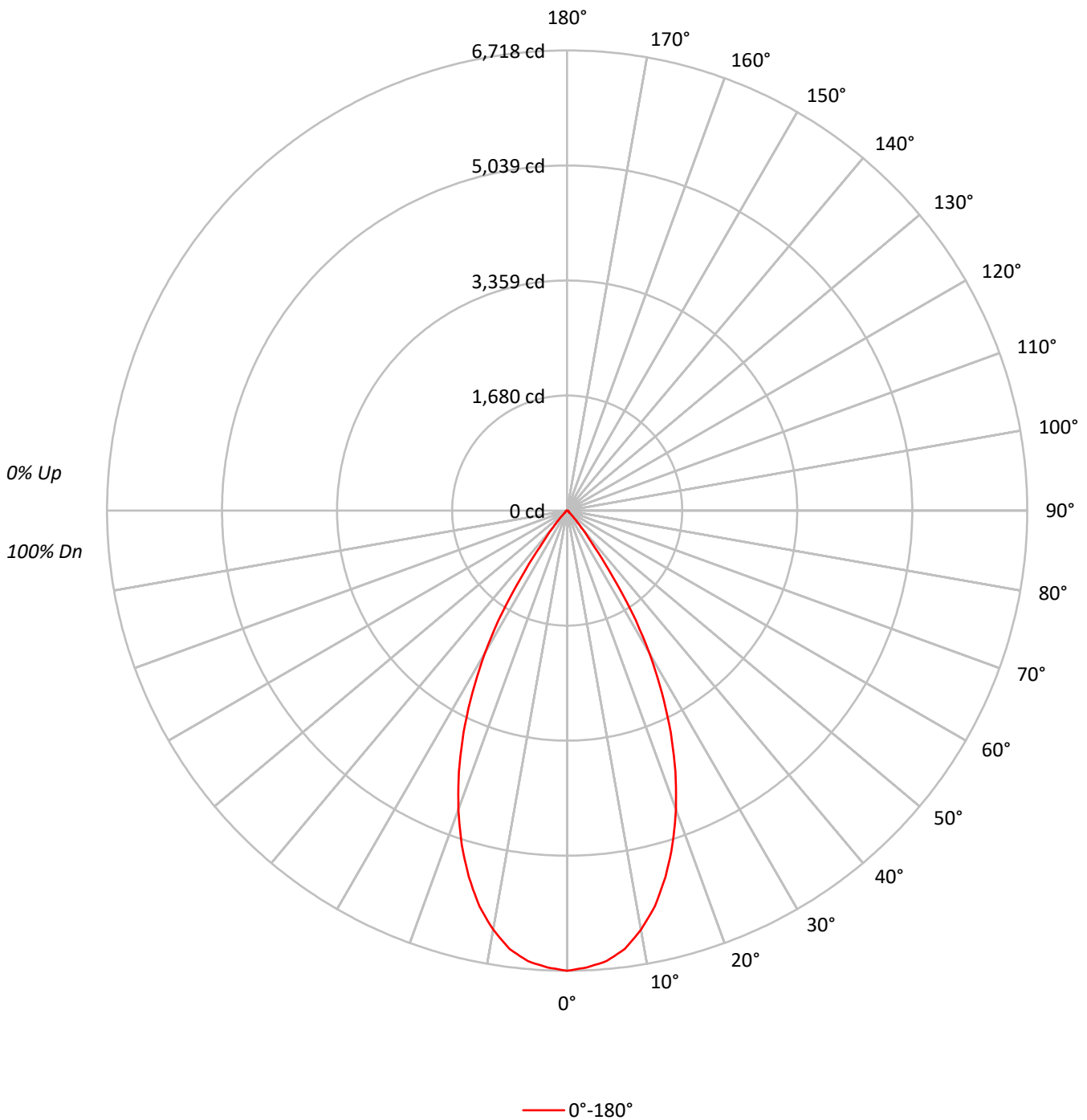
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	481043
5°	474550
10°	451718
15°	410638
20°	353608
25°	282668
30°	198197
35°	92200
40°	29125
45°	9103
50°	4010
55°	3745
60°	3437
65°	3050
70°	3350
75°	3873
80°	4948
85°	8215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.0	13.3
10°-20°	1536.0	33.1
20°-30°	1614.8	34.8
30°-40°	716.4	15.4
40°-50°	89.6	1.9
50°-60°	26.8	0.6
60°-70°	18.8	0.4
70°-80°	14.8	0.3
80°-90°	8.7	0.2
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°	3768.9	81.2
0°-40°	4485.3	96.6
0°-60°	4601.8	99.1
0°-90°	4644.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4644.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6718	
5°	6602	618
15°	5540	1536
25°	3578	1615
35°	1055	716
45°	90	90
55°	30	27
65°	18	19
75°	14	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6718.3
2.5°	6674.3
5°	6602.4
7.5°	6454.6
10°	6212.9
12.5°	5917.2
15°	5539.6
17.5°	5114.1
20°	4640.7
22.5°	4127.3
25°	3577.9
27.5°	2994.6
30°	2397.2
32.5°	1764.0
35°	1054.8
37.5°	561.4
40°	311.6
42.5°	169.8
45°	89.9
47.5°	43.9
50°	36.0
52.5°	32.0
55°	30.0
57.5°	28.0
60°	24.0
62.5°	22.0
65°	18.0
67.5°	16.0
70°	16.0
72.5°	14.0
75°	14.0
77.5°	14.0
80°	12.0
82.5°	10.0
85°	10.0
87.5°	6.0
90°	0.0

(END OF REPORT)