

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: P365760

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3571.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

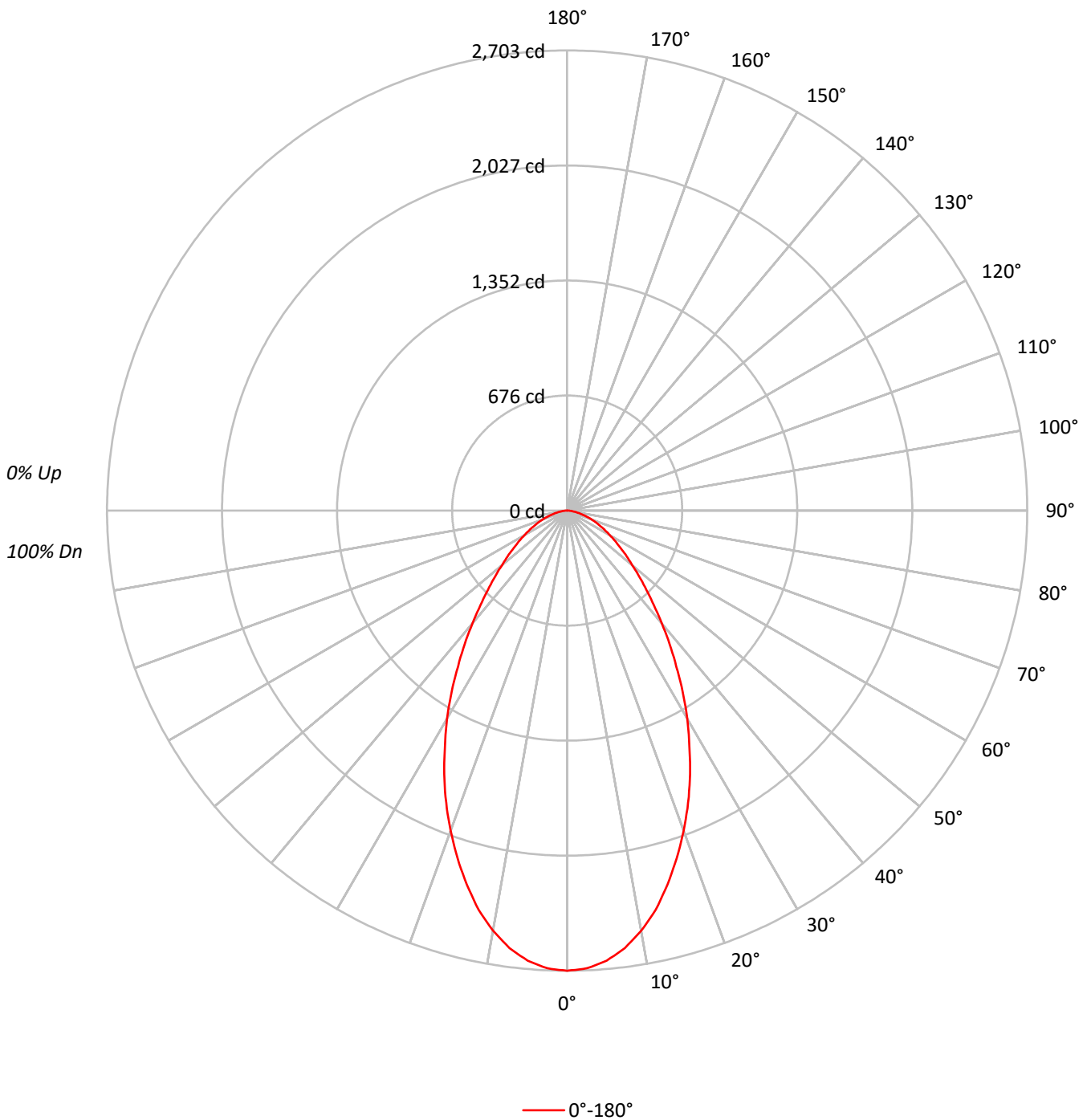
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193554
5°	190743
10°	182173
15°	168641
20°	152486
25°	135002
30°	116602
35°	97715
40°	80823
45°	66710
50°	55730
55°	47799
60°	41572
65°	36630
70°	31905
75°	26780
80°	22060
85°	16924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	7.0
10°-20°	635.5	17.8
20°-30°	781.8	21.9
30°-40°	700.9	19.6
40°-50°	513.0	14.4
50°-60°	346.8	9.7
60°-70°	215.5	6.0
70°-80°	104.2	2.9
80°-90°	24.6	0.7
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°	1666.0	46.7
0°-40°	2366.9	66.3
0°-60°	3226.7	90.4
0°-90°	3571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2703	
5°	2654	249
15°	2275	636
25°	1709	782
35°	1118	701
45°	659	513
55°	383	347
65°	216	216
75°	97	104
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2703.2
2.5°	2690.9
5°	2653.8
7.5°	2592.1
10°	2505.6
12.5°	2402.7
15°	2275.0
17.5°	2141.2
20°	2001.2
22.5°	1857.1
25°	1708.8
27.5°	1554.4
30°	1410.3
32.5°	1262.1
35°	1117.9
37.5°	988.2
40°	864.7
42.5°	753.5
45°	658.8
47.5°	574.4
50°	500.3
52.5°	440.6
55°	382.9
57.5°	335.6
60°	290.3
62.5°	251.2
65°	216.2
67.5°	183.2
70°	152.4
72.5°	123.5
75°	96.8
77.5°	72.1
80°	53.5
82.5°	35.0
85°	20.6
87.5°	8.2
90°	0.0

(END OF REPORT)