

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: P365004

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4626.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

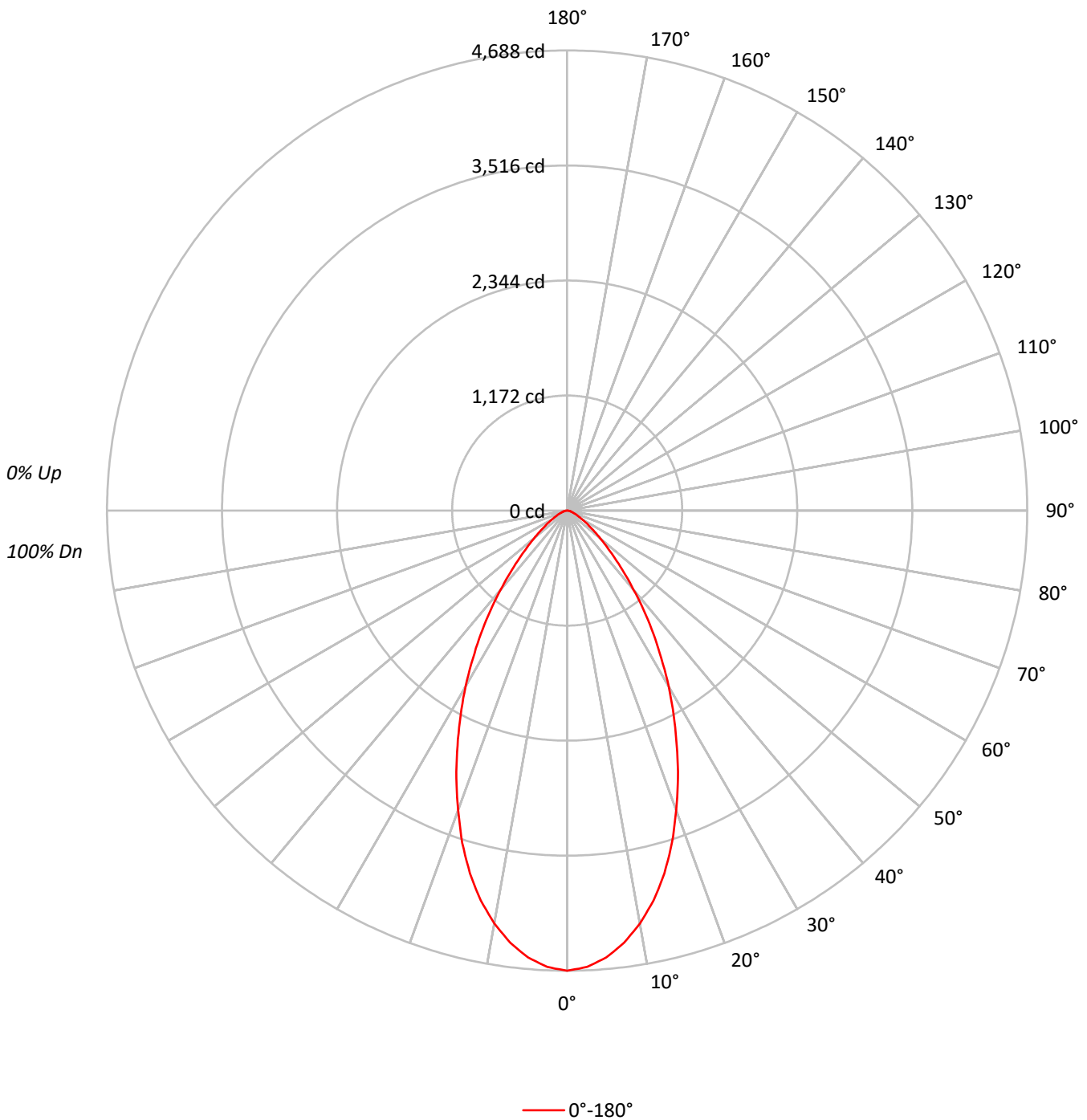
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	335662
5°	328470
10°	310486
15°	283538
20°	247321
25°	208768
30°	171087
35°	133737
40°	98573
45°	69373
50°	48946
55°	34654
60°	24602
65°	18281
70°	14215
75°	11592
80°	10721
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.7	9.2
10°-20°	1062.4	23.0
20°-30°	1210.4	26.2
30°-40°	955.4	20.7
40°-50°	543.0	11.7
50°-60°	256.2	5.5
60°-70°	110.9	2.4
70°-80°	46.1	1.0
80°-90°	15.0	0.3
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°	2699.5	58.4
0°-40°	3654.9	79.0
0°-60°	4454.1	96.3
0°-90°	4626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4626.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4688	
5°	4570	427
15°	3825	1062
25°	2642	1210
35°	1530	955
45°	685	543
55°	278	256
65°	108	111
75°	42	46
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4687.9
2.5°	4653.9
5°	4570.0
7.5°	4440.2
10°	4270.4
12.5°	4066.7
15°	3825.0
17.5°	3551.4
20°	3245.8
22.5°	2950.1
25°	2642.5
27.5°	2348.9
30°	2069.3
32.5°	1785.7
35°	1530.0
37.5°	1284.3
40°	1054.6
42.5°	858.9
45°	685.1
47.5°	547.3
50°	439.4
52.5°	349.5
55°	277.6
57.5°	219.7
60°	171.8
62.5°	135.8
65°	107.9
67.5°	85.9
70°	67.9
72.5°	53.9
75°	41.9
77.5°	32.0
80°	26.0
82.5°	20.0
85°	14.0
87.5°	8.0
90°	0.0

(END OF REPORT)