

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: P365731

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3462.1 lumens
Efficiency: N/A
Efficacy: 59.6 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

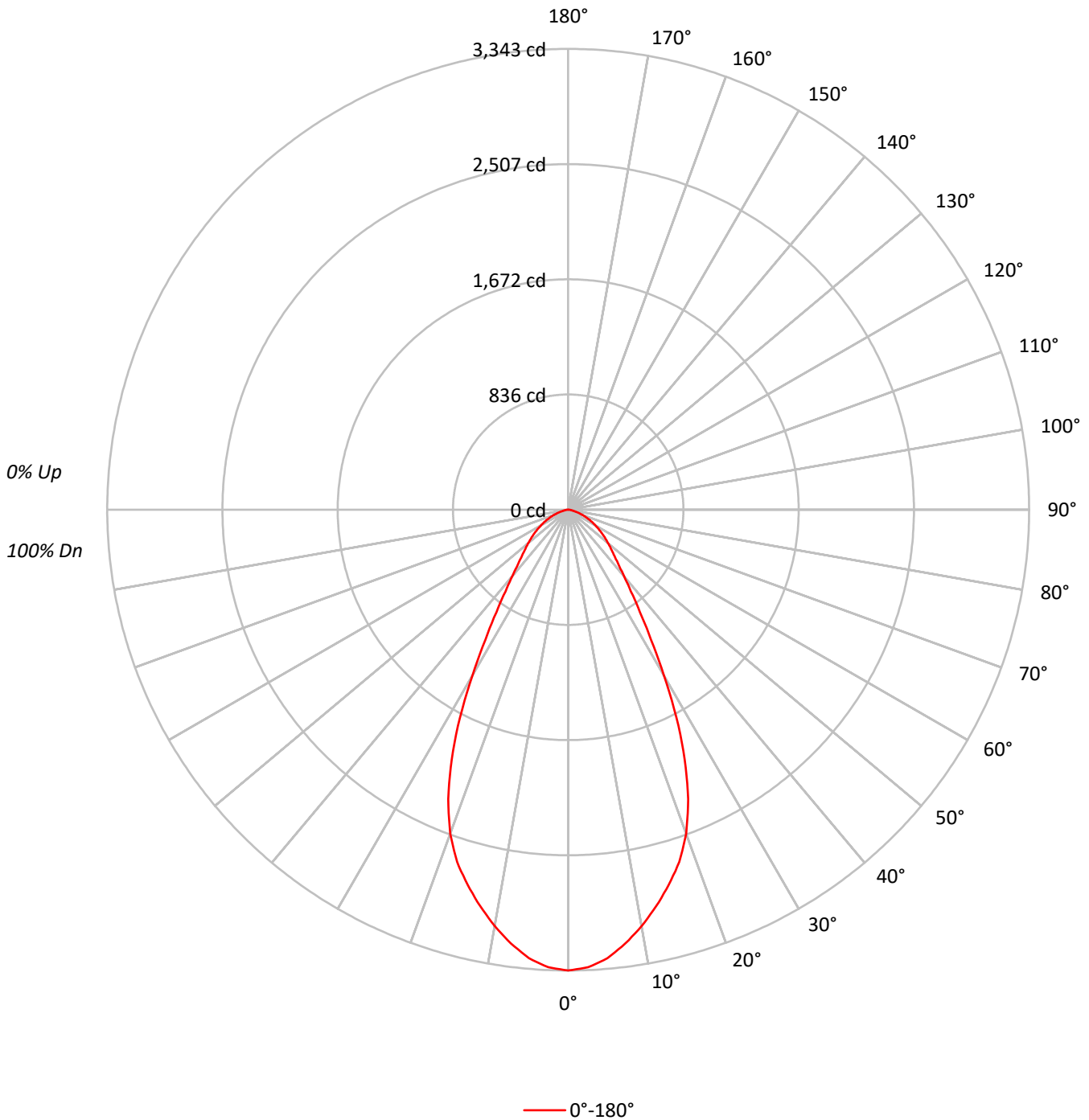
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239336
5°	234795
10°	222983
15°	208825
20°	190599
25°	158008
30°	114642
35°	79289
40°	58643
45°	47947
50°	42062
55°	37413
60°	32622
65°	27752
70°	22170
75°	16018
80°	11545
85°	13145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	8.8
10°-20°	787.7	22.8
20°-30°	901.0	26.0
30°-40°	584.2	16.9
40°-50°	372.4	10.8
50°-60°	268.3	7.7
60°-70°	163.1	4.7
70°-80°	64.9	1.9
80°-90°	15.2	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°	1993.9	57.6
0°-40°	2578.1	74.5
0°-60°	3218.8	93.0
0°-90°	3462.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3462.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3343	
5°	3267	305
15°	2817	788
25°	2000	901
35°	907	584
45°	474	372
55°	300	268
65°	164	163
75°	58	65
85°	16	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3342.6
2.5°	3322.6
5°	3266.7
7.5°	3174.7
10°	3066.9
12.5°	2947.0
15°	2817.1
17.5°	2679.3
20°	2501.4
22.5°	2273.7
25°	2000.0
27.5°	1700.3
30°	1386.6
32.5°	1116.9
35°	907.1
37.5°	747.2
40°	627.4
42.5°	539.4
45°	473.5
47.5°	421.6
50°	377.6
52.5°	337.7
55°	299.7
57.5°	261.7
60°	227.8
62.5°	195.8
65°	163.8
67.5°	133.9
70°	105.9
72.5°	81.9
75°	57.9
77.5°	40.0
80°	28.0
82.5°	18.0
85°	16.0
87.5°	8.0
90°	0.0

(END OF REPORT)