

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: P365749

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365749
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-FEU6B67-8035-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: 3531.0 lumens
Efficiency: N/A
Efficacy: 60.8 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

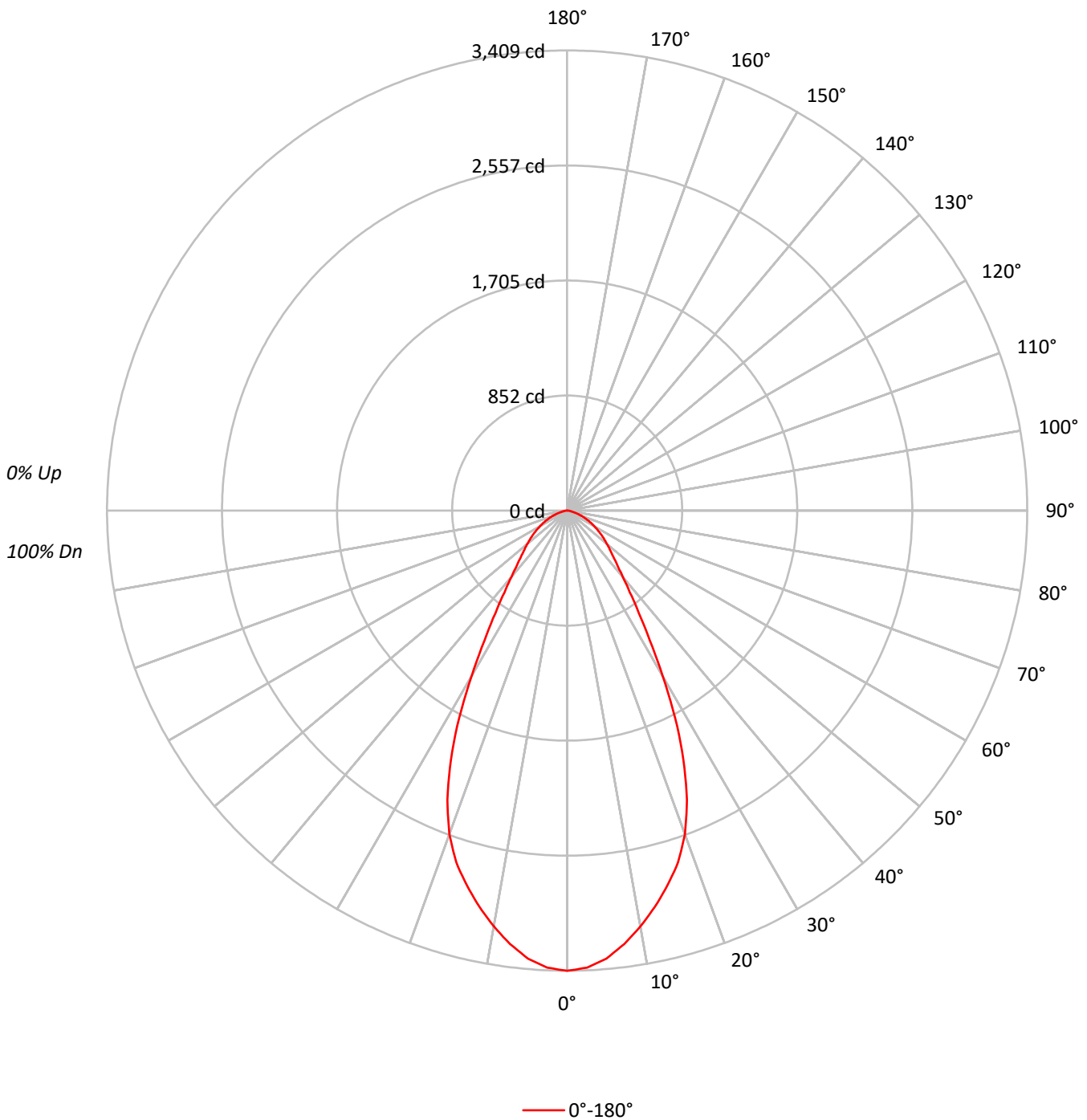
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	244105
5°	239474
10°	227426
15°	212991
20°	194402
25°	161152
30°	116924
35°	80863
40°	59811
45°	48909
50°	42897
55°	38162
60°	33266
65°	28311
70°	22610
75°	16350
80°	11752
85°	13391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	8.8
10°-20°	803.4	22.8
20°-30°	918.9	26.0
30°-40°	595.8	16.9
40°-50°	379.9	10.8
50°-60°	273.6	7.7
60°-70°	166.3	4.7
70°-80°	66.2	1.9
80°-90°	15.5	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°	2033.6	57.6
0°-40°	2629.4	74.5
0°-60°	3282.9	93.0
0°-90°	3531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3531.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3409	
5°	3332	311
15°	2873	803
25°	2040	919
35°	925	596
45°	483	380
55°	306	274
65°	167	166
75°	59	66
85°	16	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3409.2
2.5°	3388.8
5°	3331.8
7.5°	3238.0
10°	3128.0
12.5°	3005.7
15°	2873.3
17.5°	2732.7
20°	2551.3
22.5°	2319.0
25°	2039.8
27.5°	1734.1
30°	1414.2
32.5°	1139.1
35°	925.1
37.5°	762.1
40°	639.9
42.5°	550.2
45°	483.0
47.5°	430.0
50°	385.1
52.5°	344.4
55°	305.7
57.5°	266.9
60°	232.3
62.5°	199.7
65°	167.1
67.5°	136.5
70°	108.0
72.5°	83.5
75°	59.1
77.5°	40.8
80°	28.5
82.5°	18.3
85°	16.3
87.5°	8.2
90°	0.0

(END OF REPORT)