

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: P365704

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4630.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

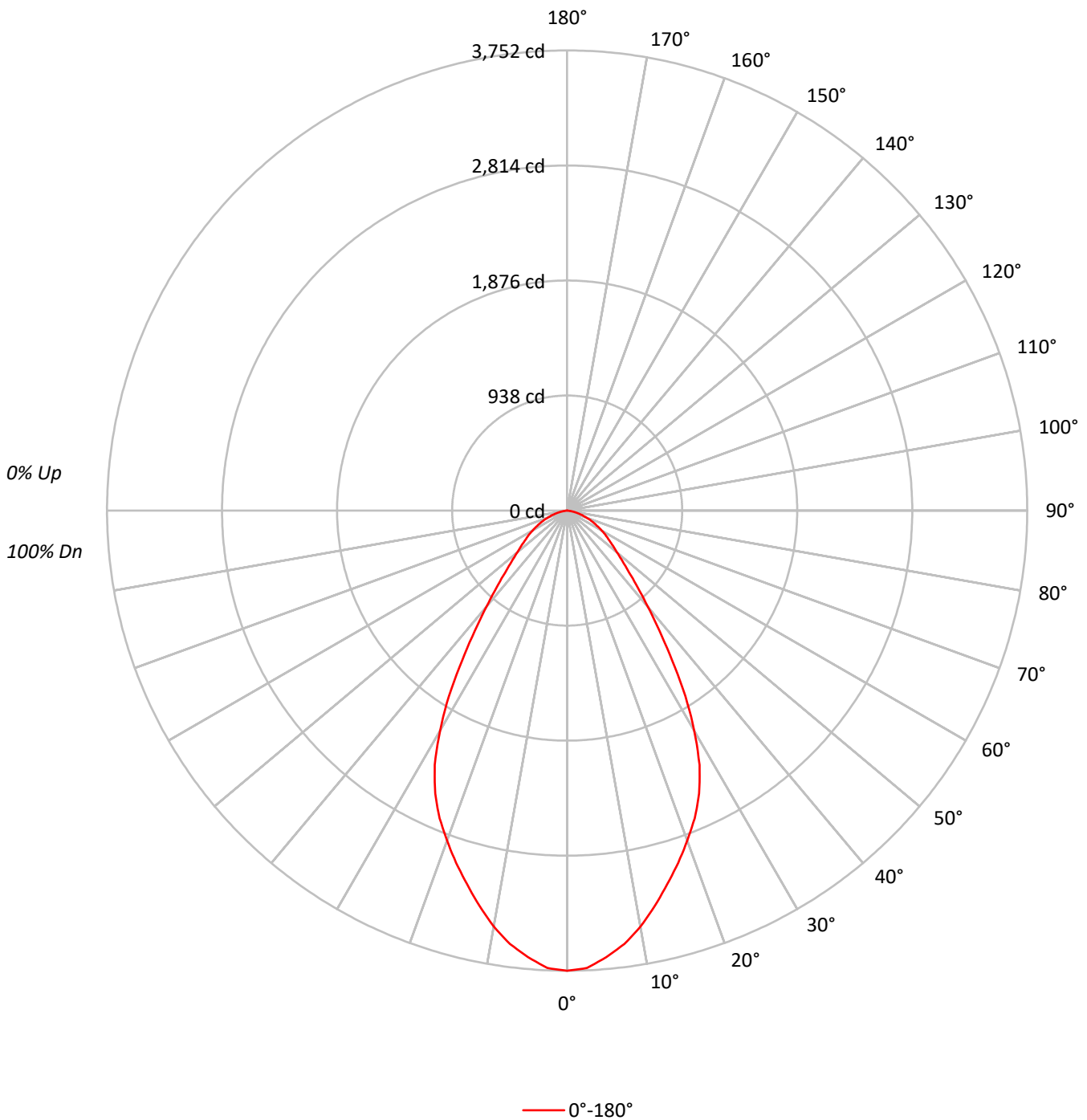
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102490
5°	100208
10°	95536
15°	89189
20°	83231
25°	76734
30°	65353
35°	49715
40°	36396
45°	27690
50°	22501
55°	19754
60°	17749
65°	15693
70°	13281
75°	10490
80°	7220
85°	3009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	7.4
10°-20°	885.9	19.1
20°-30°	1154.4	24.9
30°-40°	939.9	20.3
40°-50°	566.8	12.2
50°-60°	375.7	8.1
60°-70°	241.2	5.2
70°-80°	107.5	2.3
80°-90°	16.1	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°	2382.8	51.5
0°-40°	3322.7	71.8
0°-60°	4265.3	92.1
0°-90°	4630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4630.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3752	
5°	3655	342
15°	3154	886
25°	2546	1154
35°	1491	940
45°	717	567
55°	415	376
65°	243	241
75°	99	107
85°	10	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3752.1
2.5°	3733.0
5°	3654.6
7.5°	3564.8
10°	3444.4
12.5°	3301.0
15°	3153.9
17.5°	3010.5
20°	2863.3
22.5°	2716.1
25°	2546.0
27.5°	2337.7
30°	2072.0
32.5°	1794.8
35°	1490.9
37.5°	1236.7
40°	1020.7
42.5°	850.6
45°	716.8
47.5°	611.7
50°	529.5
52.5°	470.2
55°	414.8
57.5°	370.8
60°	324.9
62.5°	282.9
65°	242.8
67.5°	204.5
70°	166.3
72.5°	131.9
75°	99.4
77.5°	70.7
80°	45.9
82.5°	24.8
85°	9.6
87.5°	1.9
90°	0.0

(END OF REPORT)