

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: P365738

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4428.0 lumens
Efficiency: N/A
Efficacy: 76.2 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

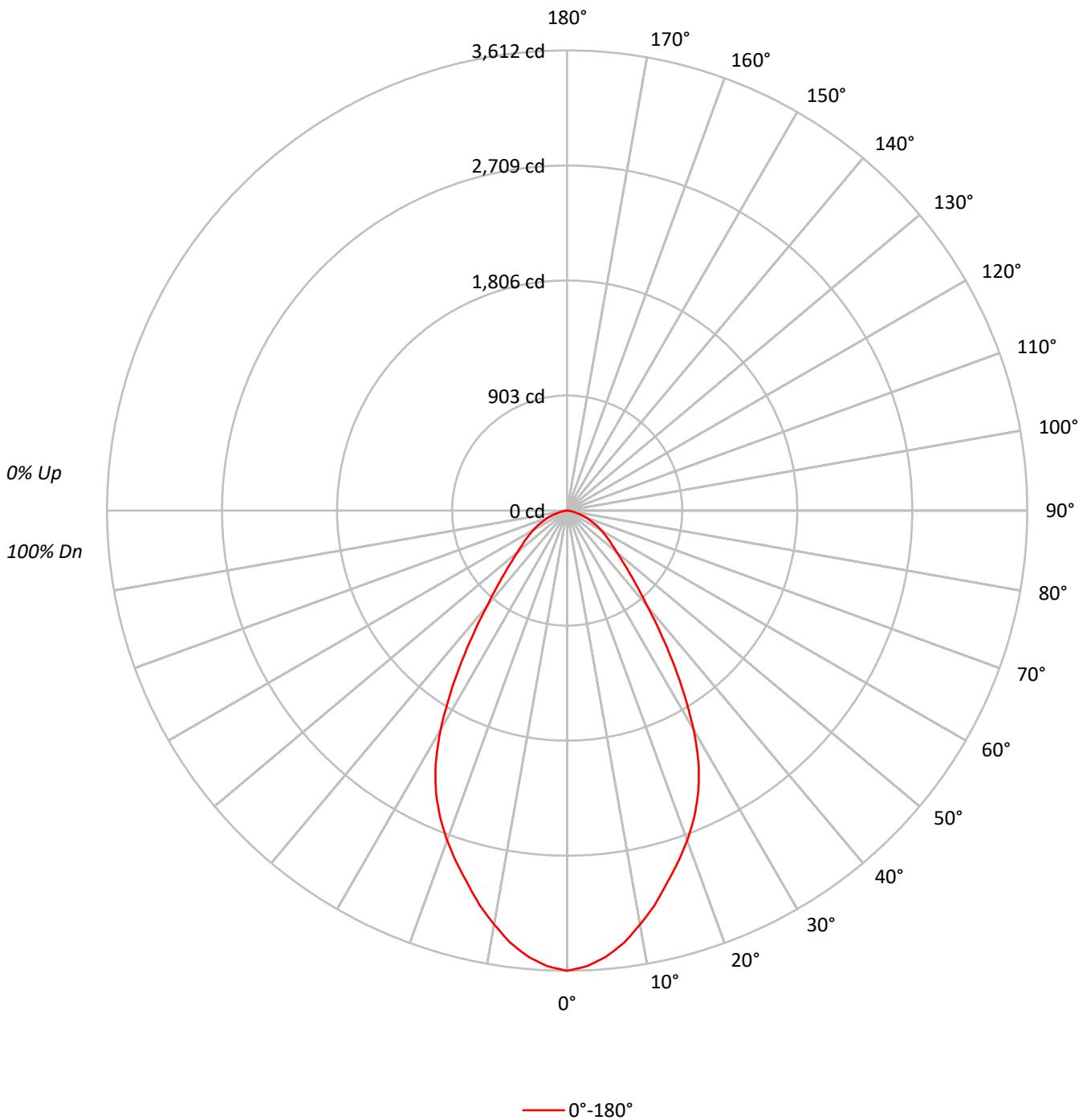
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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	98	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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	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	79	69	62	57	67	61	56	65	60	56	64	59	56	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	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98674
5°	96369
10°	91492
15°	85560
20°	80072
25°	73443
30°	62656
35°	47965
40°	34873
45°	26604
50°	21558
55°	18921
60°	16810
65°	14620
70°	12363
75°	9678
80°	6402
85°	2539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.7	7.4
10°-20°	850.8	19.2
20°-30°	1106.2	25.0
30°-40°	901.5	20.4
40°-50°	544.4	12.3
50°-60°	357.5	8.1
60°-70°	225.8	5.1
70°-80°	98.7	2.2
80°-90°	14.4	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°	2285.7	51.6
0°-40°	3187.3	72.0
0°-60°	4089.1	92.3
0°-90°	4428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3612	
5°	3515	329
15°	3026	851
25°	2437	1106
35°	1438	902
45°	689	544
55°	397	357
65°	226	226
75°	92	99
85°	8	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3612.4
2.5°	3579.8
5°	3514.6
7.5°	3420.9
10°	3298.6
12.5°	3172.3
15°	3025.6
17.5°	2893.2
20°	2754.6
22.5°	2605.9
25°	2436.8
27.5°	2235.1
30°	1986.5
32.5°	1709.4
35°	1438.4
37.5°	1189.9
40°	978.0
42.5°	819.1
45°	688.7
47.5°	586.8
50°	507.3
52.5°	446.2
55°	397.3
57.5°	350.4
60°	307.7
62.5°	266.9
65°	226.2
67.5°	189.5
70°	154.8
72.5°	122.2
75°	91.7
77.5°	63.2
80°	40.7
82.5°	22.4
85°	8.1
87.5°	2.0
90°	0.0

(END OF REPORT)