

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: P366494

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

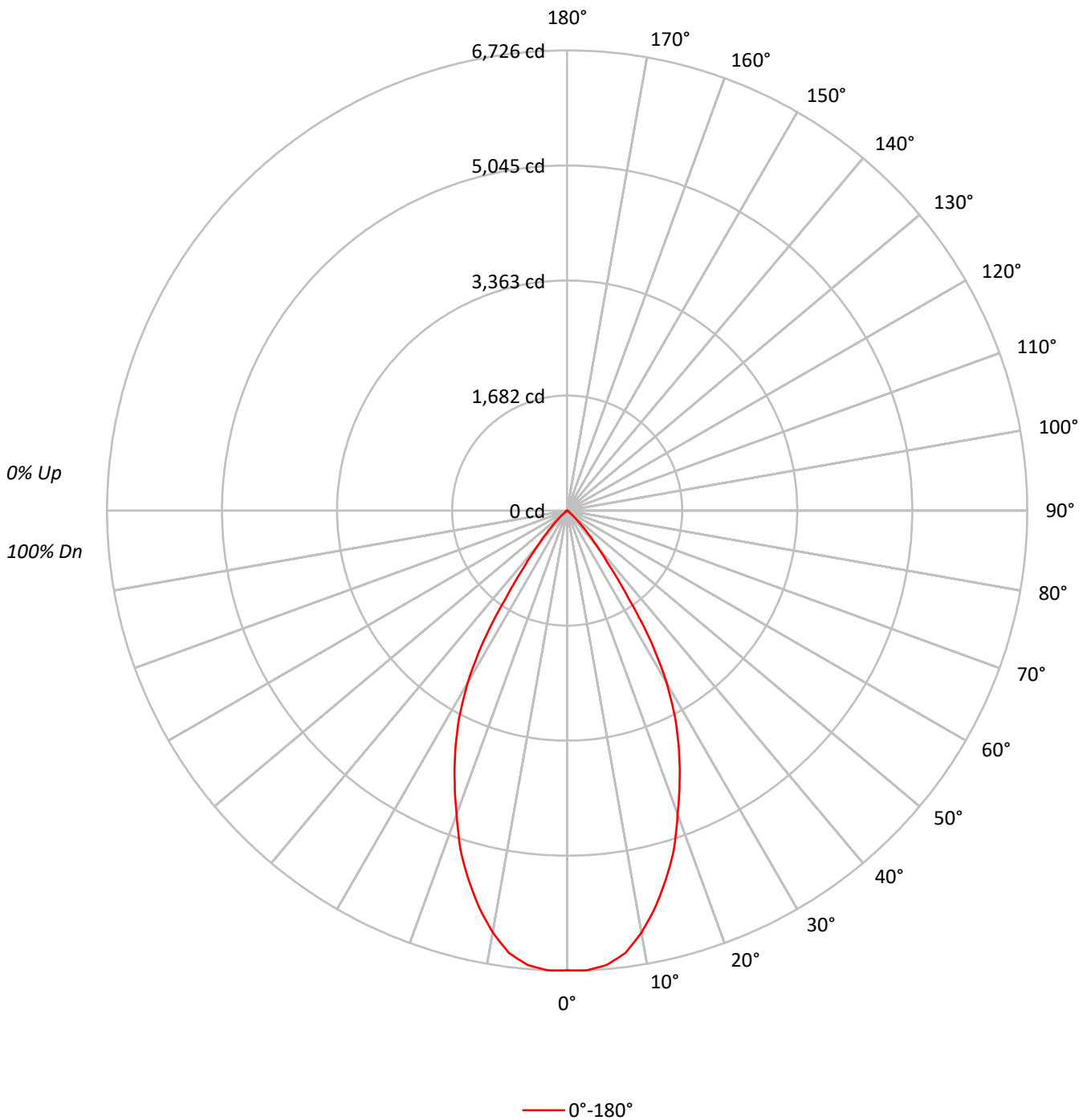
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183567
5°	182793
10°	173643
15°	157731
20°	137252
25°	116689
30°	91794
35°	52373
40°	23566
45°	9920
50°	3132
55°	948
60°	650
65°	517
70°	479
75°	633
80°	315
85°	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.6	12.0
10°-20°	1551.5	29.7
20°-30°	1758.2	33.7
30°-40°	1019.2	19.5
40°-50°	226.0	4.3
50°-60°	24.8	0.5
60°-70°	8.1	0.2
70°-80°	5.3	0.1
80°-90°	1.4	0.0
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°	3933.3	75.4
0°-40°	4952.5	94.9
0°-60°	5203.3	99.7
0°-90°	5218.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5218.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6720	
5°	6666	624
15°	5578	1552
25°	3872	1758
35°	1571	1019
45°	257	226
55°	20	25
65°	8	8
75°	6	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6720.3
2.5°	6726.2
5°	6666.5
7.5°	6521.2
10°	6260.4
12.5°	5943.9
15°	5577.7
17.5°	5191.5
20°	4721.7
22.5°	4297.7
25°	3871.7
27.5°	3417.9
30°	2910.3
32.5°	2311.1
35°	1570.6
37.5°	1009.2
40°	660.9
42.5°	432.0
45°	256.8
47.5°	143.3
50°	73.7
52.5°	33.8
55°	19.9
57.5°	15.9
60°	11.9
62.5°	10.0
65°	8.0
67.5°	6.0
70°	6.0
72.5°	6.0
75°	6.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)