

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: P366421

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366421
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-FEU6B67-8027-F6LBXVM1-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4928.0 lumens
Efficiency: N/A
Efficacy: 84.8 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

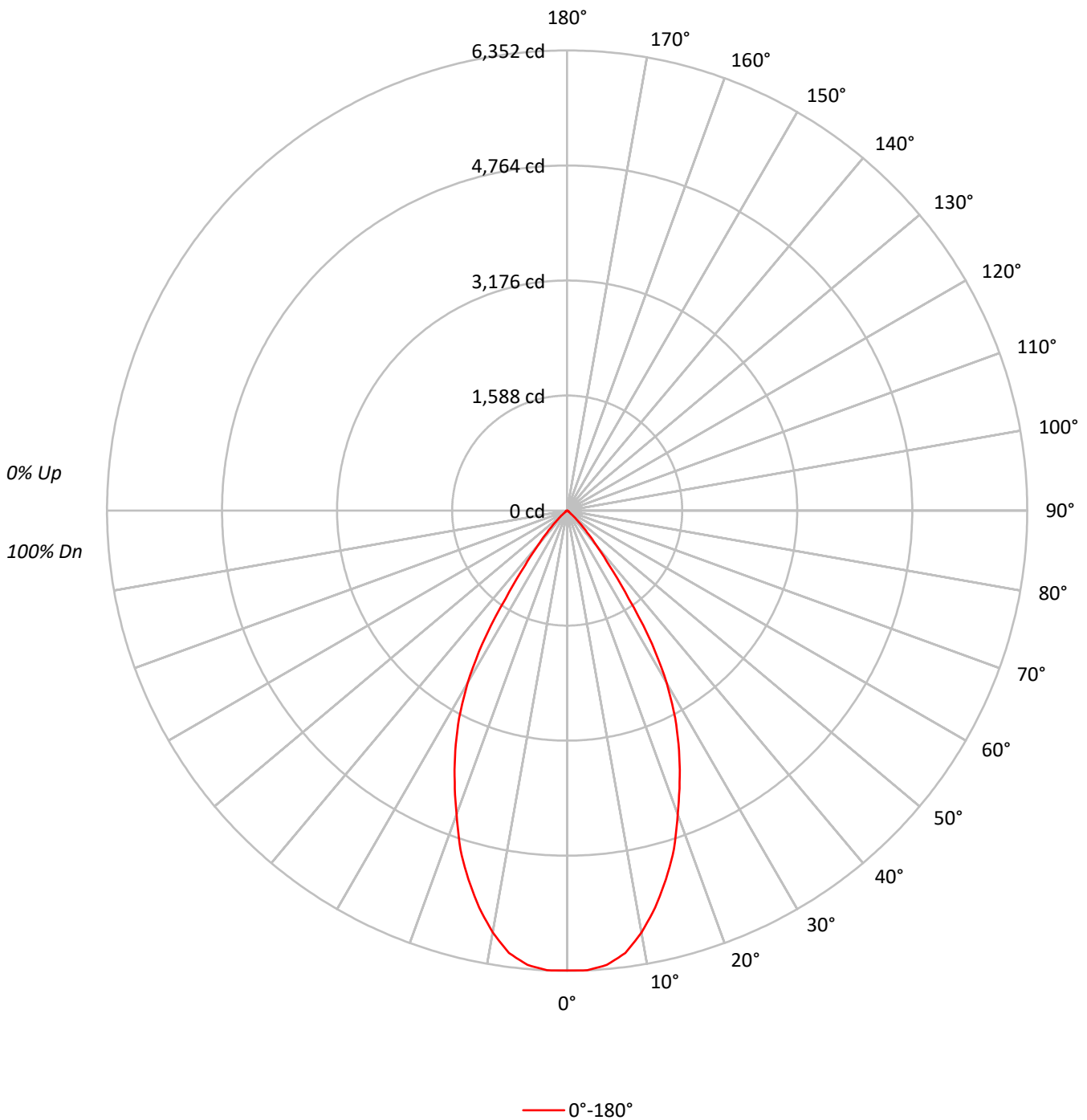
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	173365
5°	172634
10°	163993
15°	148964
20°	129624
25°	110203
30°	86690
35°	49462
40°	22254
45°	9368
50°	2958
55°	895
60°	617
65°	485
70°	447
75°	591
80°	299
85°	595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.9	12.0
10°-20°	1465.3	29.7
20°-30°	1660.4	33.7
30°-40°	962.6	19.5
40°-50°	213.5	4.3
50°-60°	23.4	0.5
60°-70°	7.6	0.2
70°-80°	4.9	0.1
80°-90°	1.3	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°	3714.6	75.4
0°-40°	4677.2	94.9
0°-60°	4914.1	99.7
0°-90°	4928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4928.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6347	
5°	6296	589
15°	5268	1465
25°	3656	1660
35°	1483	963
45°	242	213
55°	19	23
65°	8	8
75°	6	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6346.8
2.5°	6352.4
5°	6296.0
7.5°	6158.8
10°	5912.5
12.5°	5613.6
15°	5267.7
17.5°	4902.9
20°	4459.3
22.5°	4058.8
25°	3656.5
27.5°	3227.9
30°	2748.5
32.5°	2182.6
35°	1483.3
37.5°	953.1
40°	624.1
42.5°	408.0
45°	242.5
47.5°	135.4
50°	69.6
52.5°	32.0
55°	18.8
57.5°	15.0
60°	11.3
62.5°	9.4
65°	7.5
67.5°	5.6
70°	5.6
72.5°	5.6
75°	5.6
77.5°	3.8
80°	1.9
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)