

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: P365045

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4480.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

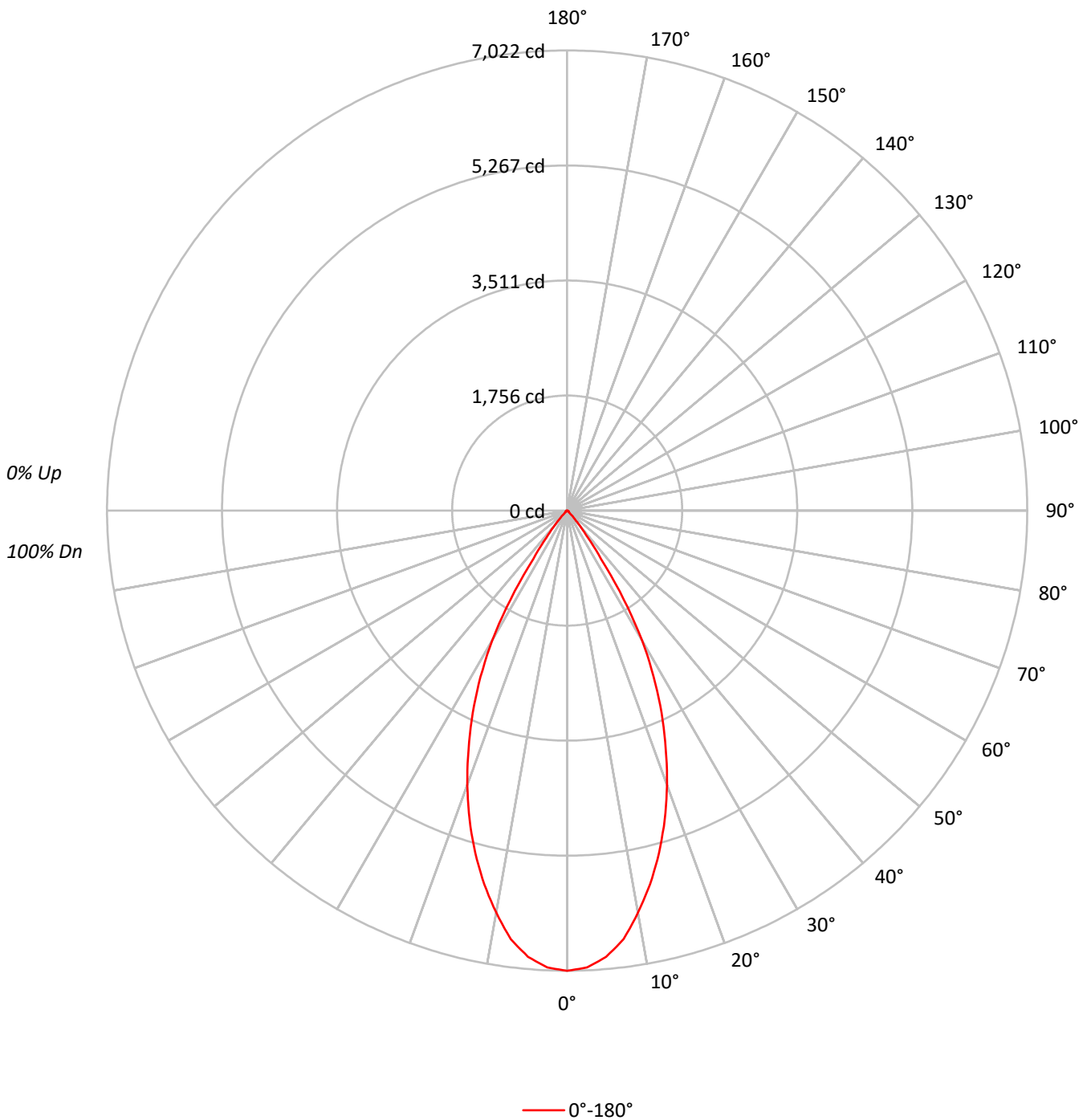
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502824
5°	491362
10°	452983
15°	401209
20°	339679
25°	269111
30°	189119
35°	78765
40°	27022
45°	7220
50°	3966
55°	3708
60°	3408
65°	3355
70°	3308
75°	3845
80°	4907
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.5	14.1
10°-20°	1501.5	33.5
20°-30°	1541.5	34.4
30°-40°	652.7	14.6
40°-50°	80.3	1.8
50°-60°	26.6	0.6
60°-70°	19.6	0.4
70°-80°	15.2	0.3
80°-90°	9.2	0.2
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°	3676.5	82.1
0°-40°	4329.2	96.6
0°-60°	4436.0	99.0
0°-90°	4480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4480.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7022	
5°	6836	634
15°	5412	1502
25°	3406	1541
35°	901	653
45°	71	80
55°	30	27
65°	20	20
75°	14	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7022.5
2.5°	6976.9
5°	6836.3
7.5°	6594.7
10°	6230.3
12.5°	5842.2
15°	5412.4
17.5°	4951.0
20°	4457.9
22.5°	3933.1
25°	3406.3
27.5°	2861.7
30°	2287.4
32.5°	1612.0
35°	901.1
37.5°	516.9
40°	289.1
42.5°	152.5
45°	71.3
47.5°	41.6
50°	35.6
52.5°	31.7
55°	29.7
57.5°	27.7
60°	23.8
62.5°	21.8
65°	19.8
67.5°	17.8
70°	15.8
72.5°	15.8
75°	13.9
77.5°	13.9
80°	11.9
82.5°	11.9
85°	9.9
87.5°	5.9
90°	0.0

(END OF REPORT)