

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: P366435

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4326.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

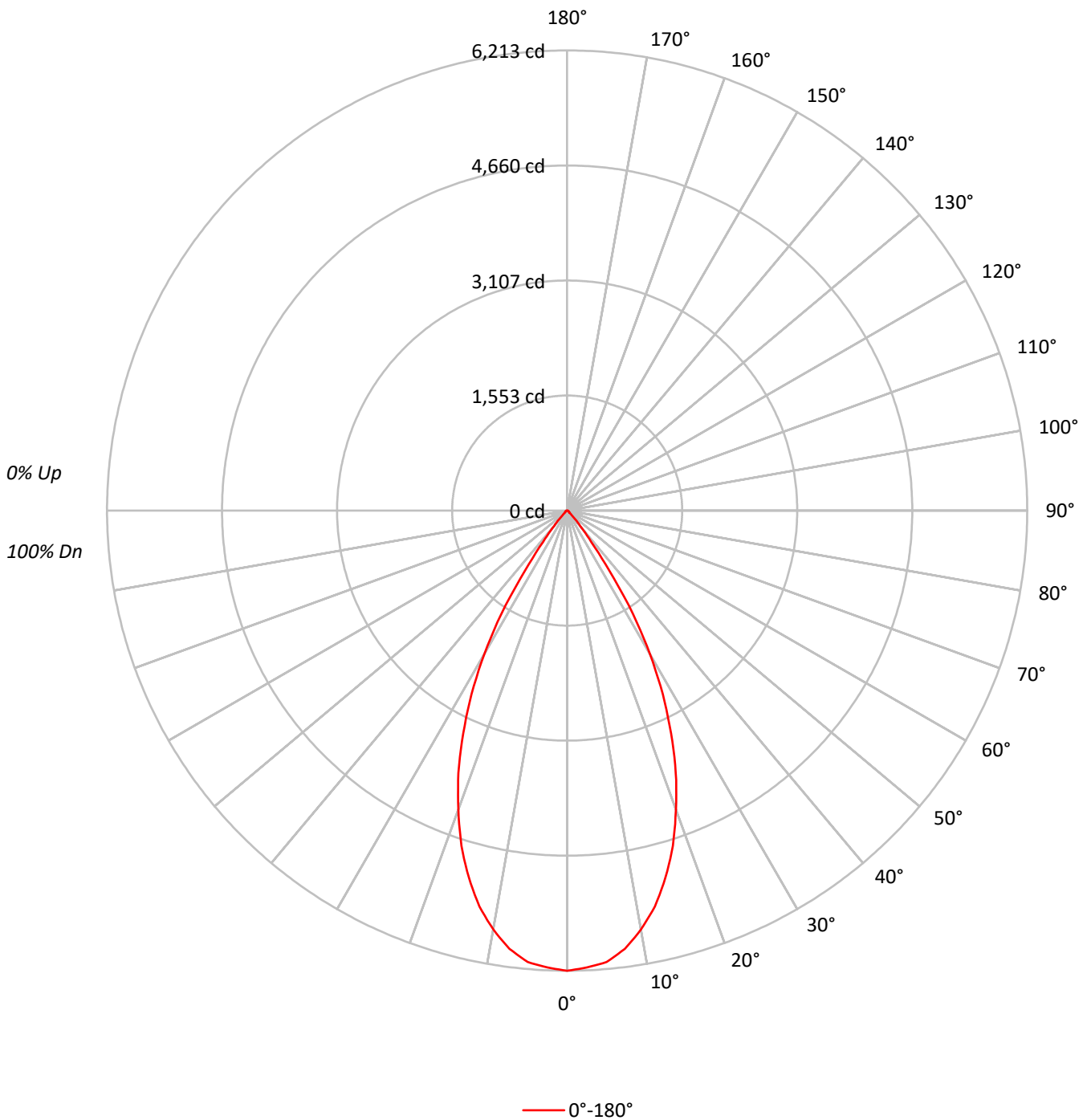
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	444877
5°	439848
10°	417568
15°	380268
20°	327267
25°	262190
30°	184977
35°	85670
40°	27863
45°	8901
50°	4255
55°	3820
60°	3551
65°	3236
70°	3203
75°	4233
80°	4742
85°	7887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.8	13.2
10°-20°	1422.7	32.9
20°-30°	1501.4	34.7
30°-40°	671.9	15.5
40°-50°	88.0	2.0
50°-60°	27.1	0.6
60°-70°	19.1	0.4
70°-80°	15.2	0.4
80°-90°	8.9	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°	3495.9	80.8
0°-40°	4167.8	96.3
0°-60°	4282.9	99.0
0°-90°	4326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4326.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6213	
5°	6120	572
15°	5130	1423
25°	3319	1501
35°	980	672
45°	88	88
55°	31	27
65°	19	19
75°	15	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6213.2
2.5°	6173.1
5°	6119.6
7.5°	5968.7
10°	5743.2
12.5°	5473.8
15°	5129.9
17.5°	4747.8
20°	4295.0
22.5°	3834.6
25°	3318.7
27.5°	2797.1
30°	2237.3
32.5°	1658.4
35°	980.1
37.5°	533.1
40°	298.1
42.5°	166.2
45°	87.9
47.5°	45.9
50°	38.2
52.5°	32.5
55°	30.6
57.5°	26.7
60°	24.8
62.5°	21.0
65°	19.1
67.5°	17.2
70°	15.3
72.5°	15.3
75°	15.3
77.5°	13.4
80°	11.5
82.5°	11.5
85°	9.6
87.5°	5.7
90°	0.0

(END OF REPORT)