

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: P366507

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366507
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-FEU6B67-8050-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: 4775.1 lumens
Efficiency: N/A
Efficacy: 82.2 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

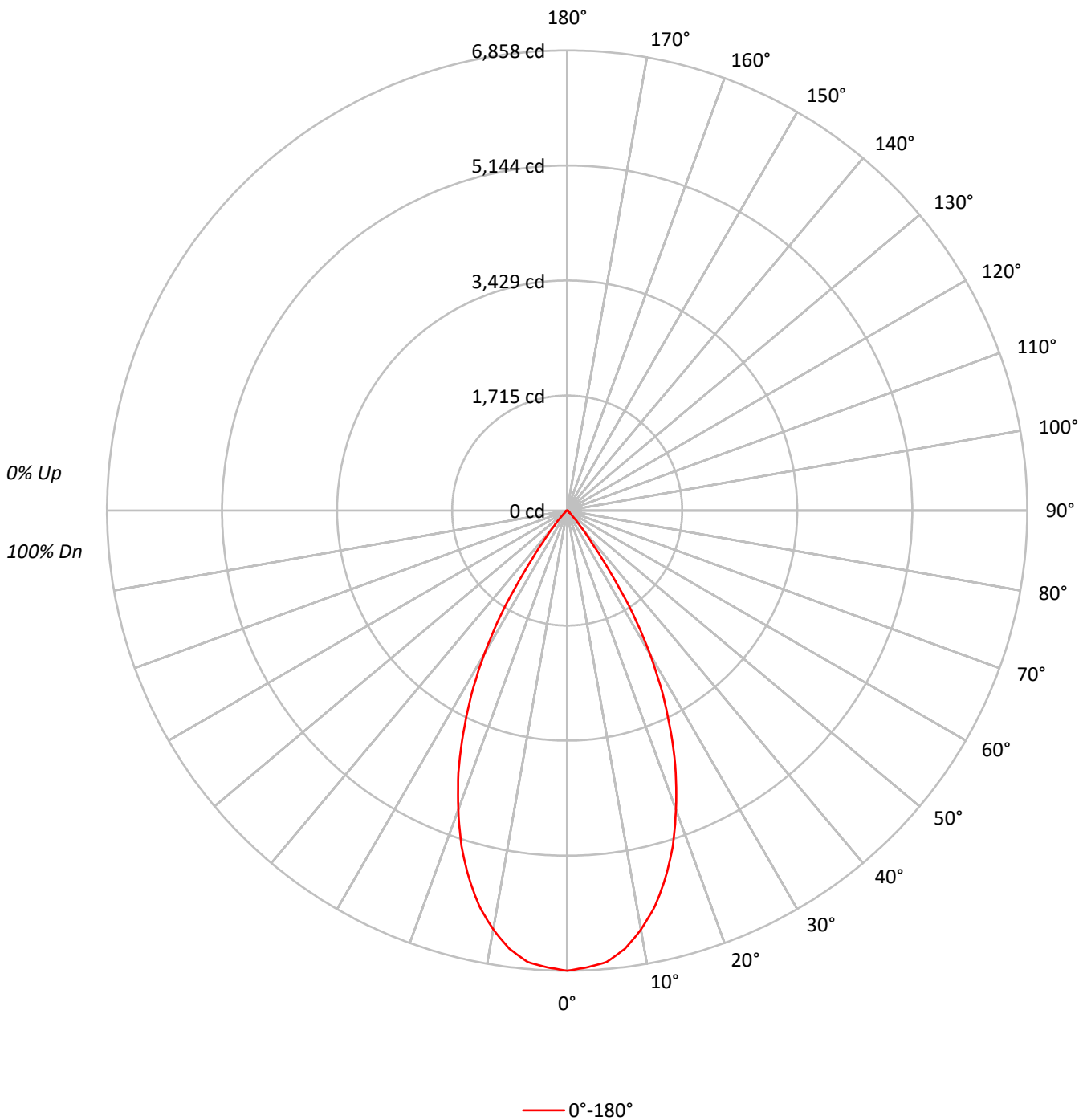
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	491053
5°	485504
10°	460908
15°	419741
20°	361235
25°	289407
30°	204175
35°	94569
40°	30751
45°	9822
50°	4701
55°	4207
60°	3924
65°	3575
70°	3538
75°	4675
80°	5237
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.2	13.2
10°-20°	1570.4	32.9
20°-30°	1657.3	34.7
30°-40°	741.6	15.5
40°-50°	97.1	2.0
50°-60°	29.9	0.6
60°-70°	21.1	0.4
70°-80°	16.8	0.4
80°-90°	9.8	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°	3858.8	80.8
0°-40°	4600.4	96.3
0°-60°	4727.4	99.0
0°-90°	4775.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4775.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6858	
5°	6755	631
15°	5662	1570
25°	3663	1657
35°	1082	742
45°	97	97
55°	34	30
65°	21	21
75°	17	17
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6858.1
2.5°	6813.8
5°	6754.8
7.5°	6588.2
10°	6339.3
12.5°	6042.0
15°	5662.4
17.5°	5240.6
20°	4740.8
22.5°	4232.6
25°	3663.2
27.5°	3087.4
30°	2469.5
32.5°	1830.5
35°	1081.9
37.5°	588.4
40°	329.0
42.5°	183.5
45°	97.0
47.5°	50.6
50°	42.2
52.5°	35.9
55°	33.7
57.5°	29.5
60°	27.4
62.5°	23.2
65°	21.1
67.5°	19.0
70°	16.9
72.5°	16.9
75°	16.9
77.5°	14.8
80°	12.7
82.5°	12.7
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)