

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: P366502

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4663.0 lumens
Efficiency: N/A
Efficacy: 80.3 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

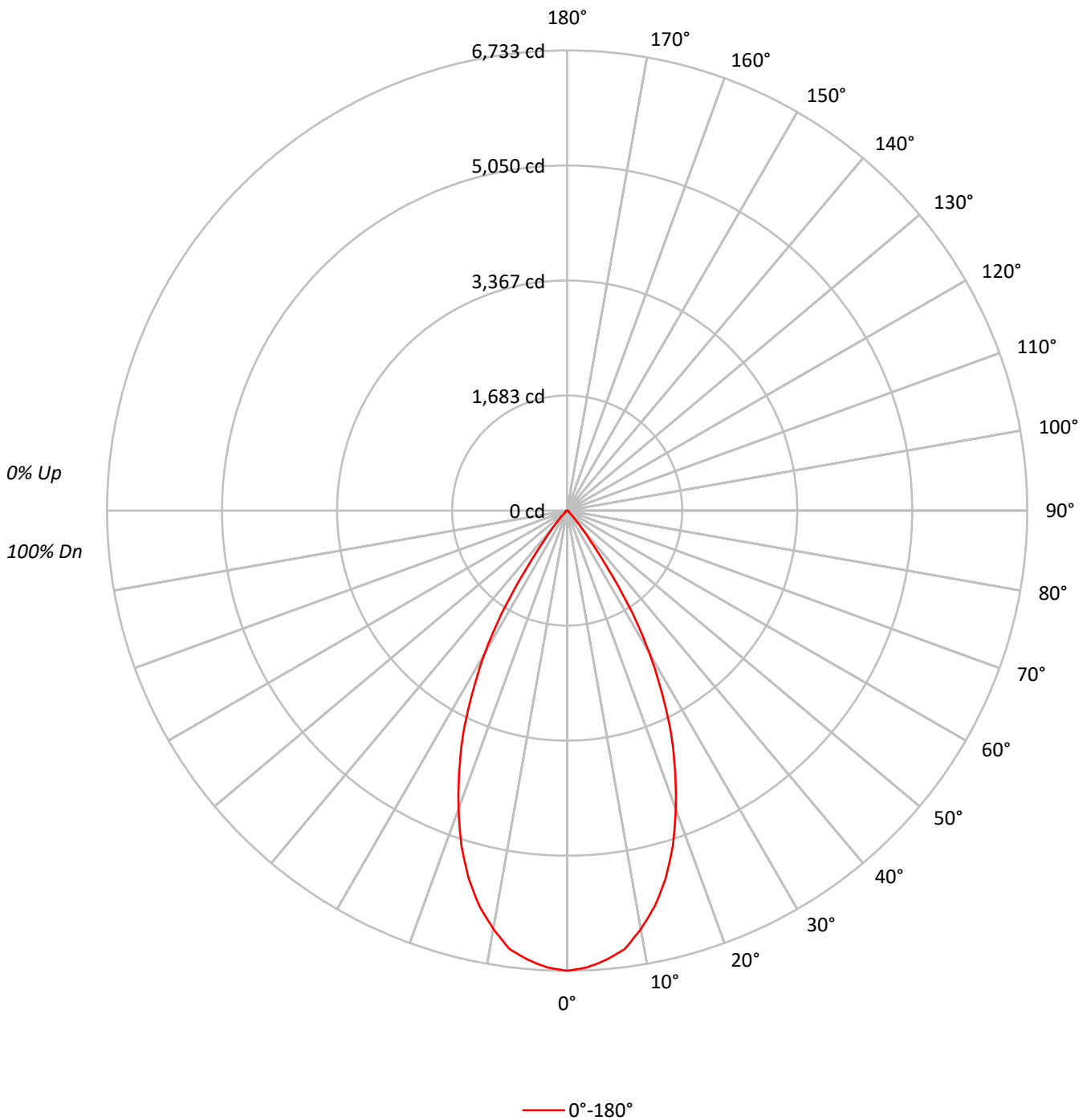
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	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	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	482102
5°	474169
10°	451805
15°	412847
20°	354042
25°	284074
30°	199173
35°	92025
40°	29536
45°	9539
50°	4433
55°	3920
60°	3895
65°	3541
70°	3496
75°	4067
80°	5195
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.7	13.3
10°-20°	1541.2	33.1
20°-30°	1618.6	34.7
30°-40°	718.2	15.4
40°-50°	92.8	2.0
50°-60°	29.0	0.6
60°-70°	20.4	0.4
70°-80°	15.0	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°	3778.5	81.0
0°-40°	4496.7	96.4
0°-60°	4618.5	99.0
0°-90°	4663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4663.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6733	
5°	6597	619
15°	5569	1541
25°	3596	1619
35°	1053	718
45°	94	93
55°	31	29
65°	21	20
75°	15	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6733.1
2.5°	6691.3
5°	6597.1
7.5°	6469.4
10°	6214.1
12.5°	5927.3
15°	5569.4
17.5°	5140.4
20°	4646.4
22.5°	4127.4
25°	3595.7
27.5°	2999.2
30°	2409.0
32.5°	1770.7
35°	1052.8
37.5°	560.9
40°	316.0
42.5°	173.7
45°	94.2
47.5°	48.1
50°	39.8
52.5°	35.6
55°	31.4
57.5°	29.3
60°	27.2
62.5°	23.0
65°	20.9
67.5°	16.7
70°	16.7
72.5°	14.7
75°	14.7
77.5°	12.6
80°	12.6
82.5°	10.5
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)