

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: P366342

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366342
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: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.0 lumens
Efficiency: N/A
Efficacy: 64.7 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

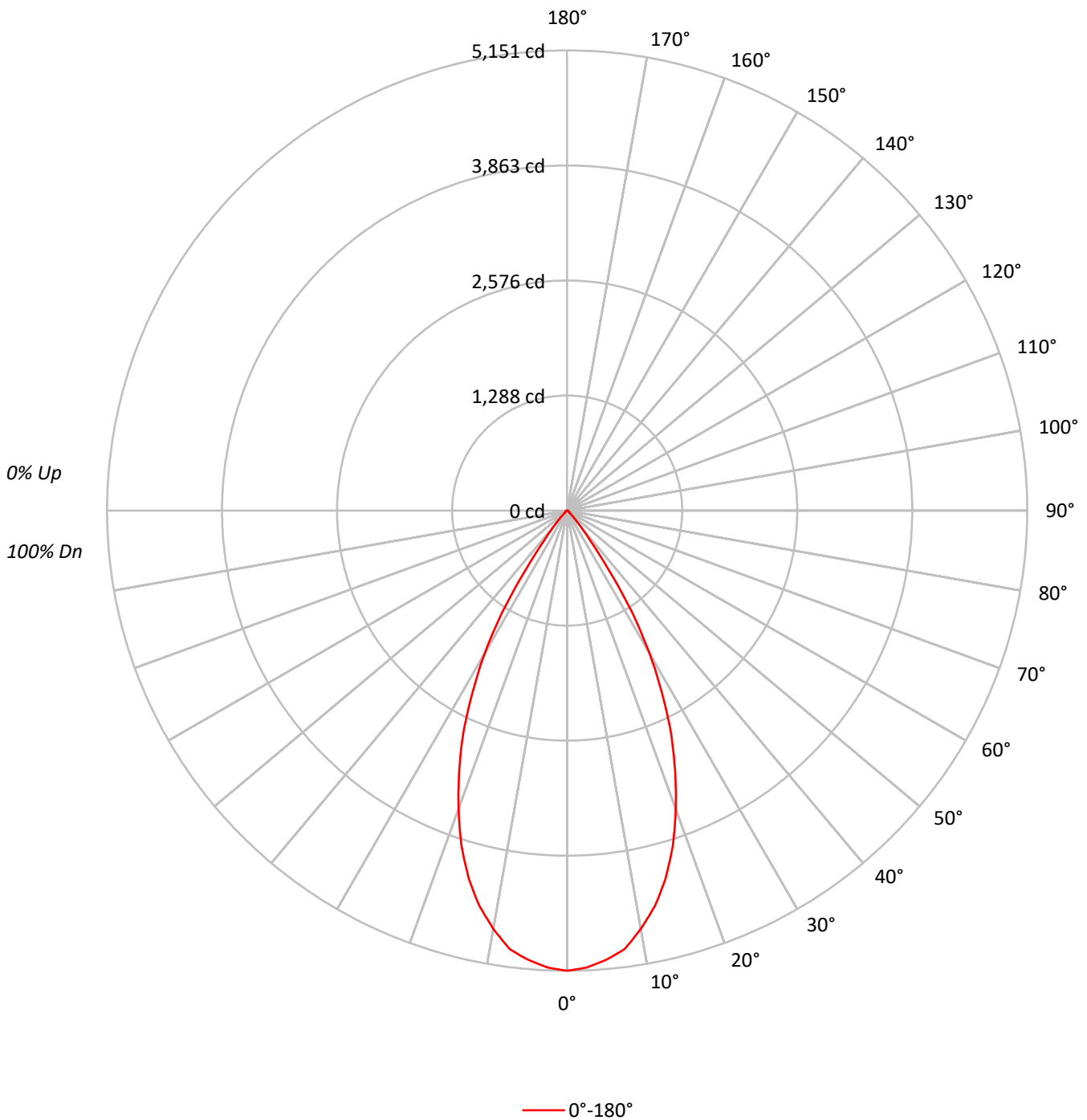
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	368793
5°	362719
10°	345610
15°	315814
20°	270827
25°	217308
30°	152360
35°	70391
40°	22601
45°	7291
50°	3386
55°	2996
60°	2979
65°	2711
70°	2680
75°	3098
80°	3958
85°	6572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.3	13.3
10°-20°	1179.0	33.1
20°-30°	1238.1	34.7
30°-40°	549.4	15.4
40°-50°	71.0	2.0
50°-60°	22.2	0.6
60°-70°	15.6	0.4
70°-80°	11.4	0.3
80°-90°	7.0	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°	2890.4	81.0
0°-40°	3439.8	96.4
0°-60°	3533.0	99.0
0°-90°	3567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3567.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5151	
5°	5046	473
15°	4260	1179
25°	2751	1238
35°	805	549
45°	72	71
55°	24	22
65°	16	16
75°	11	11
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5150.6
2.5°	5118.5
5°	5046.5
7.5°	4948.8
10°	4753.5
12.5°	4534.2
15°	4260.4
17.5°	3932.2
20°	3554.3
22.5°	3157.3
25°	2750.6
27.5°	2294.3
30°	1842.8
32.5°	1354.5
35°	805.3
37.5°	429.1
40°	241.8
42.5°	132.9
45°	72.0
47.5°	36.8
50°	30.4
52.5°	27.2
55°	24.0
57.5°	22.4
60°	20.8
62.5°	17.6
65°	16.0
67.5°	12.8
70°	12.8
72.5°	11.2
75°	11.2
77.5°	9.6
80°	9.6
82.5°	8.0
85°	8.0
87.5°	4.8
90°	0.0

(END OF REPORT)