

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: P366345

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366345
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: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3704.0 lumens
Efficiency: N/A
Efficacy: 67.2 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

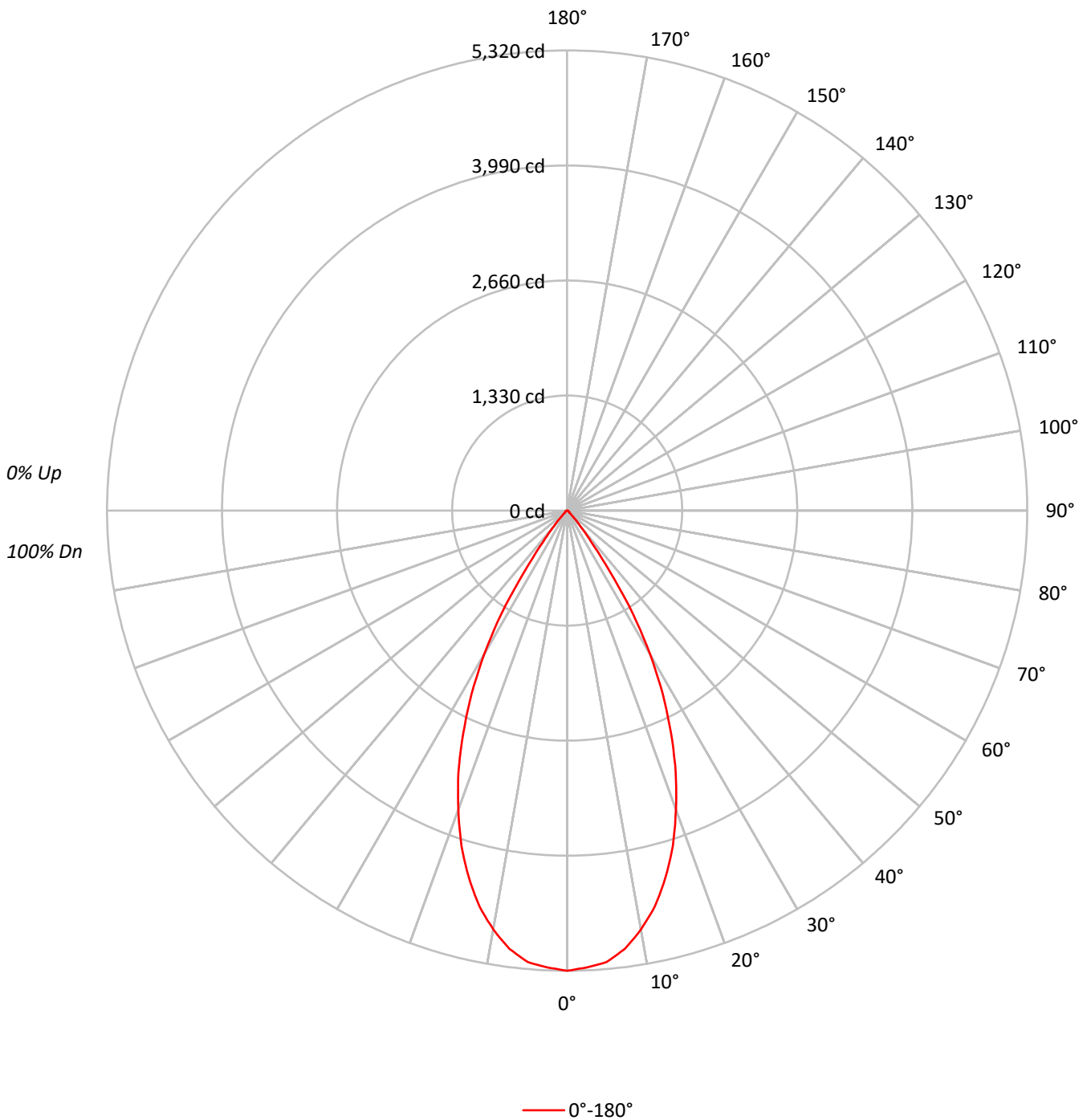
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	380915
5°	376605
10°	357534
15°	325598
20°	280215
25°	224490
30°	158379
35°	73354
40°	23853
45°	7625
50°	3643
55°	3271
60°	3050
65°	2779
70°	2742
75°	3624
80°	4041
85°	6737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.6	13.2
10°-20°	1218.1	32.9
20°-30°	1285.5	34.7
30°-40°	575.3	15.5
40°-50°	75.3	2.0
50°-60°	23.2	0.6
60°-70°	16.4	0.4
70°-80°	13.0	0.4
80°-90°	7.6	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°	2993.3	80.8
0°-40°	3568.5	96.3
0°-60°	3667.1	99.0
0°-90°	3704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3704.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5320	
5°	5240	490
15°	4392	1218
25°	2842	1286
35°	839	575
45°	75	75
55°	26	23
65°	16	16
75°	13	13
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5319.9
2.5°	5285.5
5°	5239.7
7.5°	5110.5
10°	4917.5
12.5°	4686.8
15°	4392.4
17.5°	4065.2
20°	3677.5
22.5°	3283.2
25°	2841.5
27.5°	2394.9
30°	1915.6
32.5°	1419.9
35°	839.2
37.5°	456.4
40°	255.2
42.5°	142.3
45°	75.3
47.5°	39.3
50°	32.7
52.5°	27.8
55°	26.2
57.5°	22.9
60°	21.3
62.5°	18.0
65°	16.4
67.5°	14.7
70°	13.1
72.5°	13.1
75°	13.1
77.5°	11.5
80°	9.8
82.5°	9.8
85°	8.2
87.5°	4.9
90°	0.0

(END OF REPORT)