

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: P365673

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3133.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

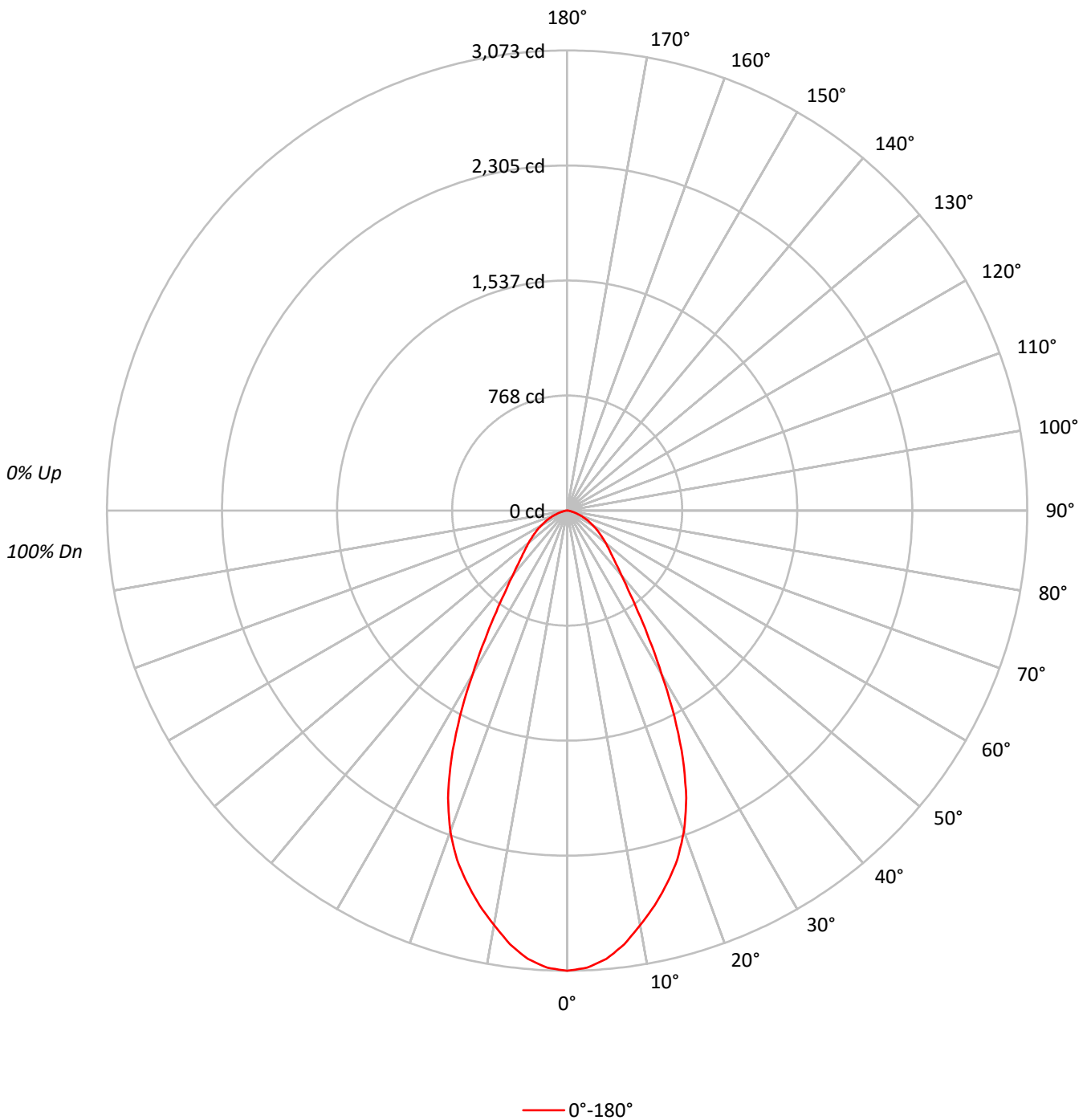
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220047
5°	216072
10°	204341
15°	191086
20°	173714
25°	144593
30°	104374
35°	72131
40°	52736
45°	42853
50°	37317
55°	32794
60°	28526
65°	24194
70°	19553
75°	13666
80°	8742
85°	10105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	9.0
10°-20°	720.2	23.0
20°-30°	822.6	26.3
30°-40°	530.6	16.9
40°-50°	333.2	10.6
50°-60°	236.3	7.5
60°-70°	142.4	4.5
70°-80°	55.0	1.8
80°-90°	12.0	0.4
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°	1823.5	58.2
0°-40°	2354.1	75.1
0°-60°	2923.6	93.3
0°-90°	3133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3133.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3073	
5°	3006	281
15°	2578	720
25°	1830	823
35°	825	531
45°	423	333
55°	263	236
65°	143	142
75°	49	55
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3073.2
2.5°	3055.6
5°	3006.2
7.5°	2921.6
10°	2810.5
12.5°	2701.2
15°	2577.8
17.5°	2445.5
20°	2279.8
22.5°	2078.8
25°	1830.2
27.5°	1549.8
30°	1262.4
32.5°	1020.9
35°	825.2
37.5°	673.5
40°	564.2
42.5°	484.9
45°	423.2
47.5°	375.6
50°	335.0
52.5°	298.0
55°	262.7
57.5°	231.0
60°	199.2
62.5°	171.0
65°	142.8
67.5°	116.4
70°	93.4
72.5°	68.8
75°	49.4
77.5°	33.5
80°	21.2
82.5°	14.1
85°	12.3
87.5°	7.1
90°	0.0

(END OF REPORT)