

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: P365679

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3136.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

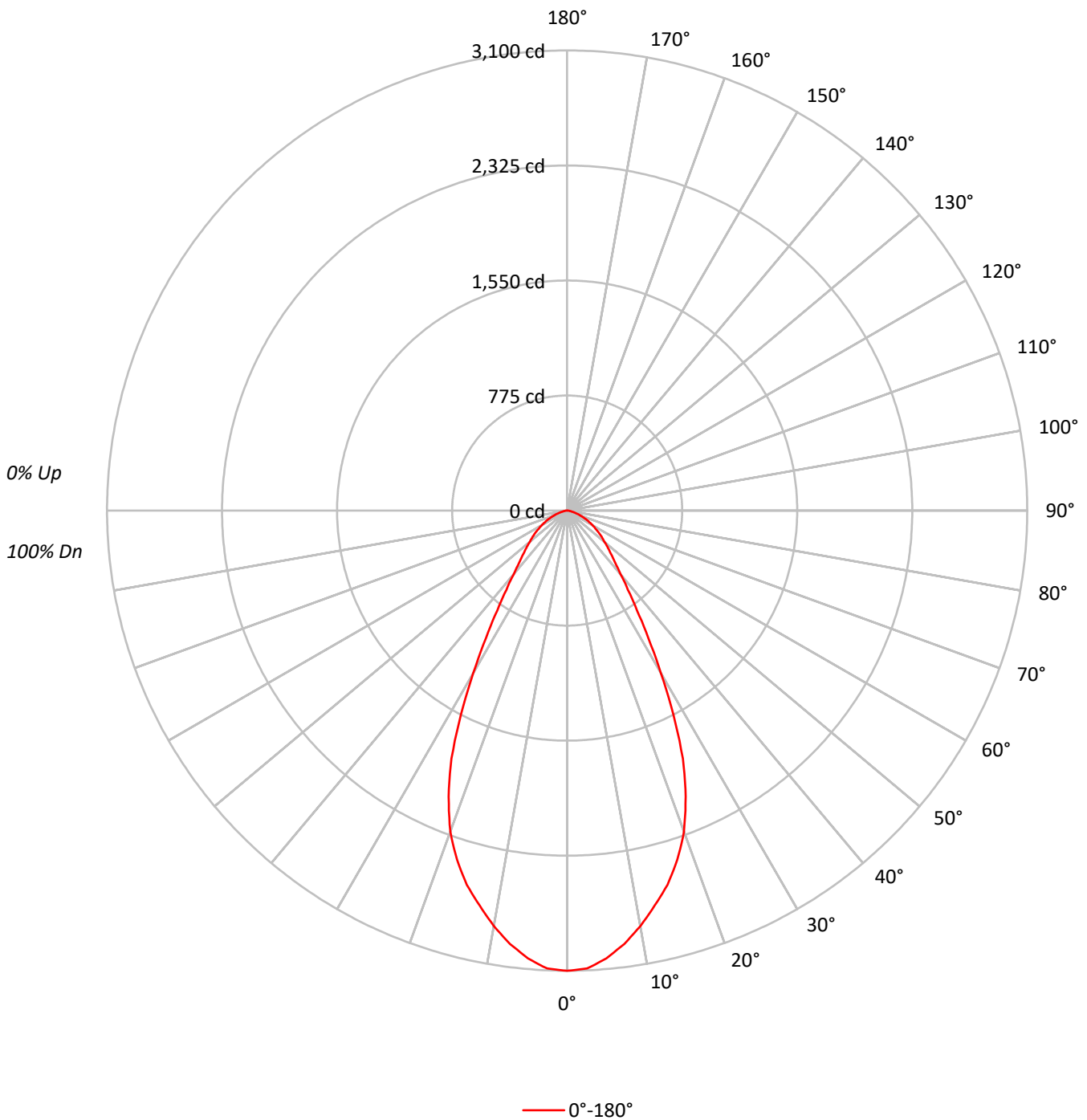
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221966
5°	217624
10°	206683
15°	193481
20°	175383
25°	145636
30°	104473
35°	71632
40°	52549
45°	42651
50°	36715
55°	32557
60°	28268
65°	23889
70°	18821
75°	13639
80°	8700
85°	10105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	9.0
10°-20°	727.5	23.2
20°-30°	826.1	26.3
30°-40°	528.7	16.9
40°-50°	330.3	10.5
50°-60°	233.8	7.5
60°-70°	139.9	4.5
70°-80°	54.5	1.7
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
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0°-30°	1836.7	58.6
0°-40°	2365.4	75.4
0°-60°	2929.6	93.4
0°-90°	3136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3136.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3100	
5°	3028	283
15°	2610	728
25°	1843	826
35°	820	529
45°	421	330
55°	261	234
65°	141	140
75°	49	54
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3100.0
2.5°	3087.7
5°	3027.8
7.5°	2944.9
10°	2842.7
12.5°	2724.6
15°	2610.1
17.5°	2467.3
20°	2301.7
22.5°	2086.6
25°	1843.4
27.5°	1549.1
30°	1263.6
32.5°	1015.1
35°	819.5
37.5°	673.2
40°	562.2
42.5°	479.4
45°	421.2
47.5°	371.9
50°	329.6
52.5°	296.1
55°	260.8
57.5°	227.3
60°	197.4
62.5°	167.4
65°	141.0
67.5°	114.6
70°	89.9
72.5°	68.7
75°	49.3
77.5°	33.5
80°	21.1
82.5°	14.1
85°	12.3
87.5°	7.0
90°	0.0

(END OF REPORT)