

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: P366352

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4691.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

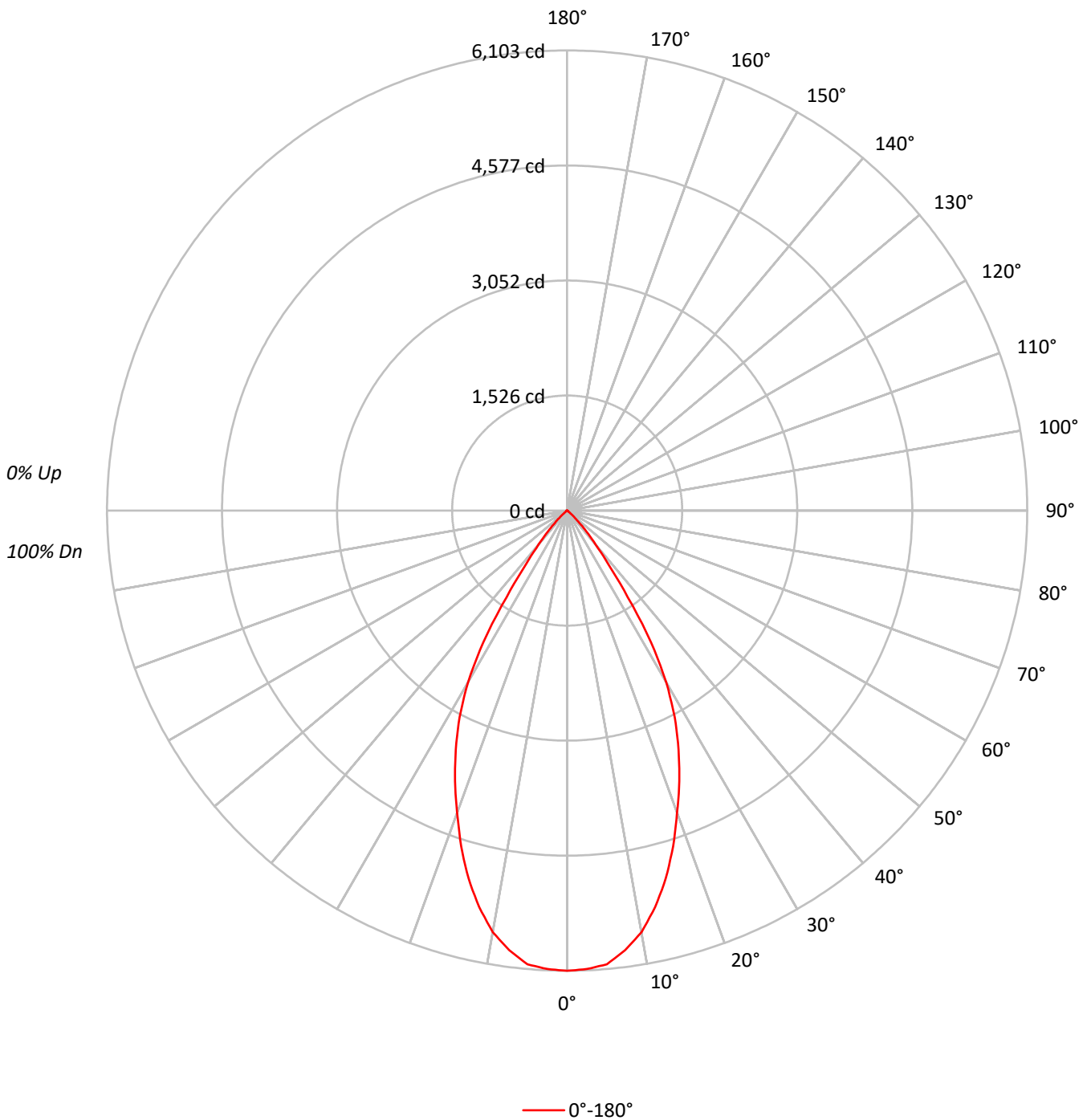
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166702
5°	165603
10°	157461
15°	142885
20°	123953
25°	105372
30°	82921
35°	46714
40°	20981
45°	8723
50°	2618
55°	733
60°	470
65°	330
70°	272
75°	359
80°	267
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.0	12.0
10°-20°	1402.4	29.9
20°-30°	1588.0	33.9
30°-40°	910.5	19.4
40°-50°	197.9	4.2
50°-60°	19.4	0.4
60°-70°	5.7	0.1
70°-80°	2.9	0.1
80°-90°	0.2	0.0
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°	3554.4	75.8
0°-40°	4464.9	95.2
0°-60°	4682.2	99.8
0°-90°	4691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4691.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6103	
5°	6040	564
15°	5053	1402
25°	3496	1588
35°	1401	910
45°	226	198
55°	15	19
65°	5	6
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6102.9
2.5°	6085.8
5°	6039.6
7.5°	5880.5
10°	5677.0
12.5°	5386.2
15°	5052.7
17.5°	4669.5
20°	4264.2
22.5°	3884.4
25°	3496.2
27.5°	3085.7
30°	2629.0
32.5°	2071.4
35°	1400.9
37.5°	886.0
40°	588.4
42.5°	376.3
45°	225.8
47.5°	123.2
50°	61.6
52.5°	25.7
55°	15.4
57.5°	12.0
60°	8.6
62.5°	6.8
65°	5.1
67.5°	5.1
70°	3.4
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)