

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: P365611

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
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-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3705.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

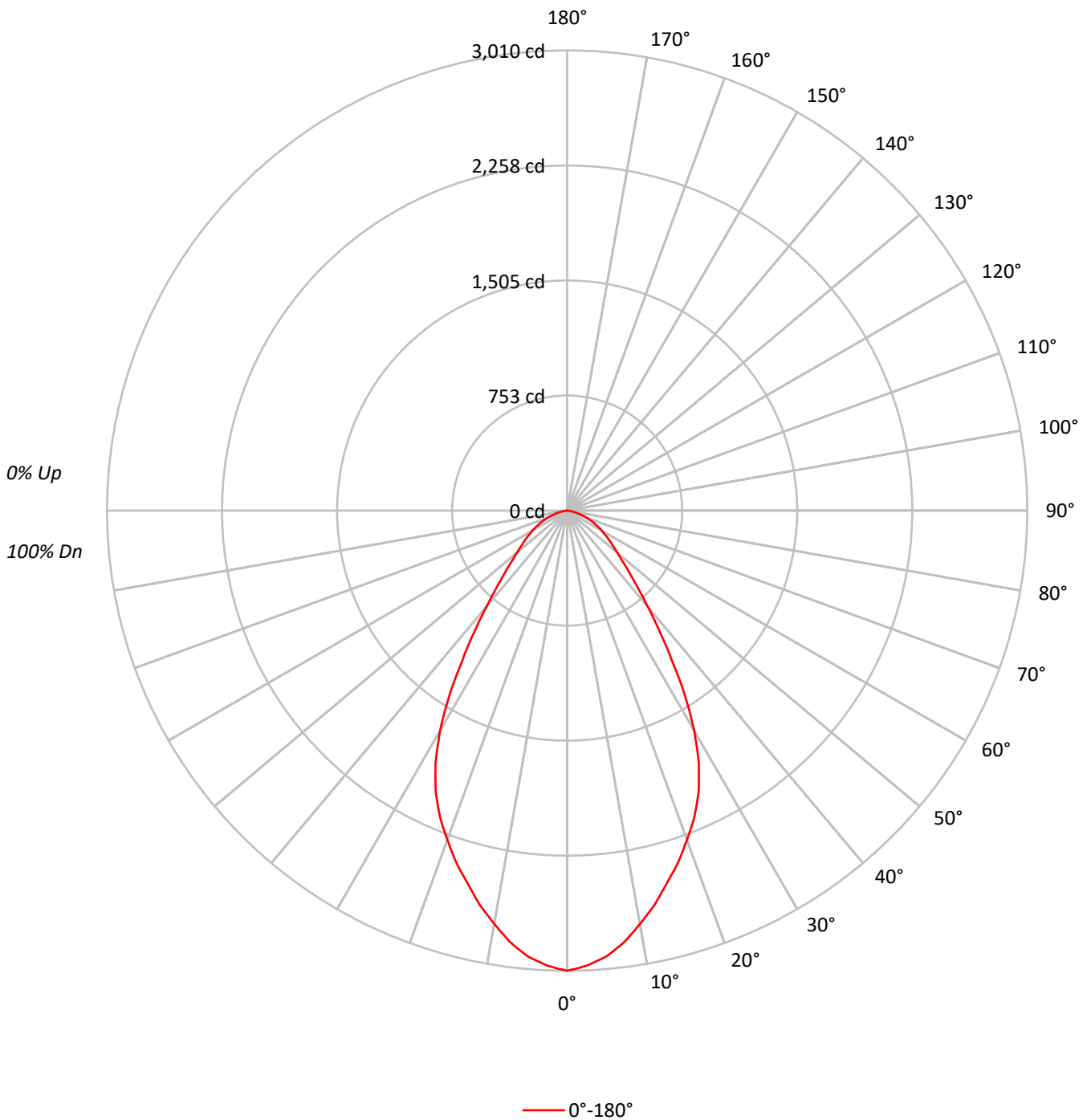
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82230
5°	80301
10°	76151
15°	71302
20°	66593
25°	61309
30°	52399
35°	39858
40°	29211
45°	22235
50°	18137
55°	15963
60°	14204
65°	12474
70°	10574
75°	8285
80°	5663
85°	2570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	7.4
10°-20°	708.8	19.1
20°-30°	922.8	24.9
30°-40°	753.1	20.3
40°-50°	455.3	12.3
50°-60°	301.5	8.1
60°-70°	192.0	5.2
70°-80°	85.0	2.3
80°-90°	12.9	0.3
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°	1905.2	51.4
0°-40°	2658.3	71.7
0°-60°	3415.2	92.2
0°-90°	3705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3010	
5°	2929	274
15°	2521	709
25°	2034	923
35°	1195	753
45°	576	455
55°	335	302
65°	193	192
75°	78	85
85°	8	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3010.4
2.5°	2979.3
5°	2928.6
7.5°	2848.5
10°	2745.5
12.5°	2640.8
15°	2521.4
17.5°	2413.5
20°	2290.9
22.5°	2173.1
25°	2034.2
27.5°	1864.1
30°	1661.3
32.5°	1434.0
35°	1195.3
37.5°	992.6
40°	819.2
42.5°	681.9
45°	575.6
47.5°	492.2
50°	426.8
52.5°	376.1
55°	335.2
57.5°	296.0
60°	260.0
62.5°	225.7
65°	193.0
67.5°	161.9
70°	132.4
72.5°	104.7
75°	78.5
77.5°	55.6
80°	36.0
82.5°	19.6
85°	8.2
87.5°	1.6
90°	0.0

(END OF REPORT)