

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: P365610

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3753.0 lumens
Efficiency: N/A
Efficacy: 68.1 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

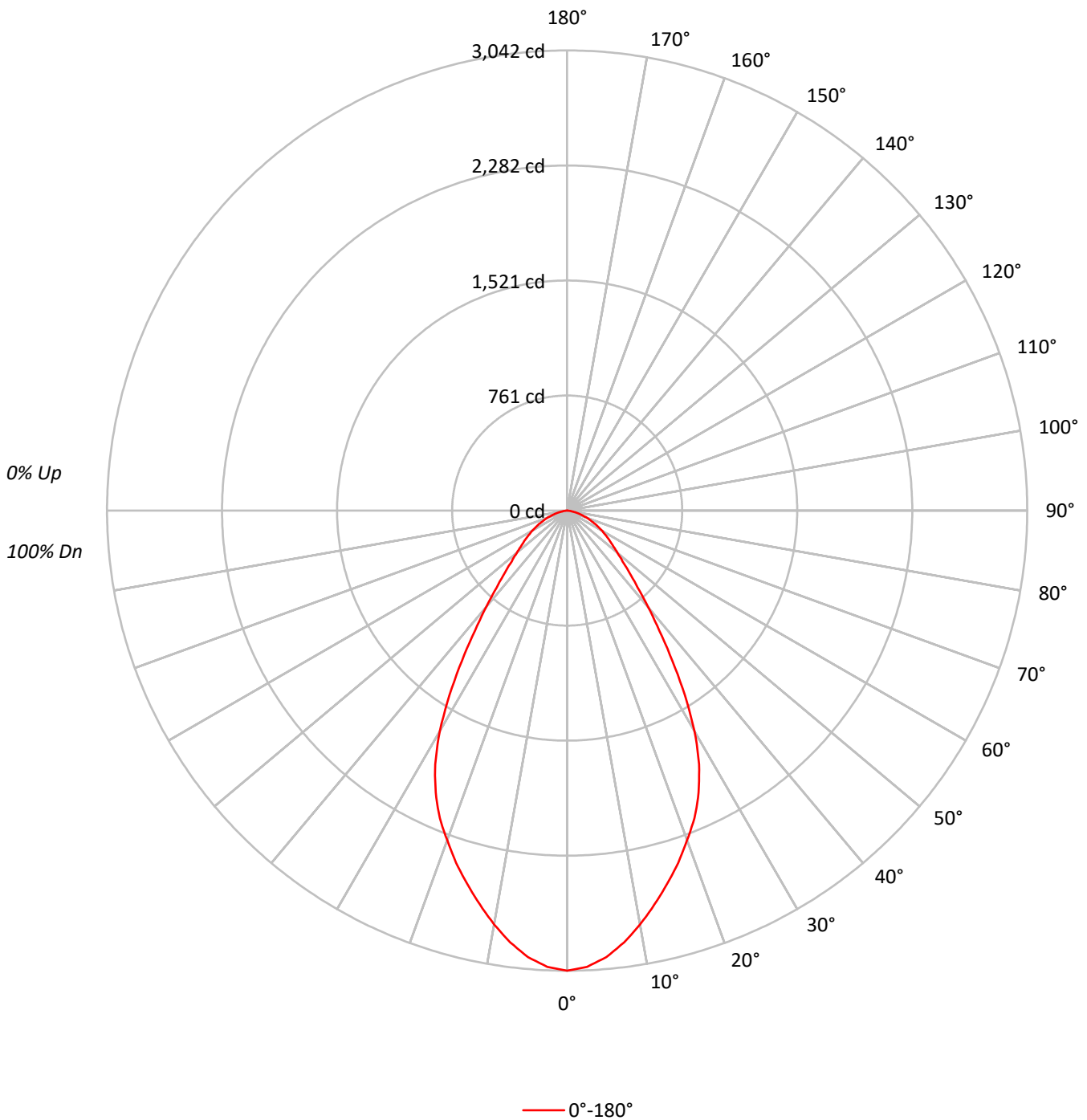
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94		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		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	83082
5°	81244
10°	77055
15°	72224
20°	67392
25°	61984
30°	53102
35°	40428
40°	29696
45°	22502
50°	18426
55°	16206
60°	14483
65°	12688
70°	10846
75°	8464
80°	5663
85°	2570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	7.4
10°-20°	717.0	19.1
20°-30°	934.3	24.9
30°-40°	761.8	20.3
40°-50°	461.2	12.3
50°-60°	306.3	8.2
60°-70°	195.9	5.2
70°-80°	86.8	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°	1928.2	51.4
0°-40°	2690.0	71.7
0°-60°	3457.4	92.1
0°-90°	3753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3753.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3042	
5°	2963	277
15°	2554	717
25°	2057	934
35°	1212	762
45°	582	461
55°	340	306
65°	196	196
75°	80	87
85°	8	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3041.6
2.5°	3018.7
5°	2963.0
7.5°	2879.6
10°	2778.1
12.5°	2666.9
15°	2554.0
17.5°	2441.1
20°	2318.4
22.5°	2200.6
25°	2056.6
27.5°	1889.7
30°	1683.6
32.5°	1448.0
35°	1212.4
37.5°	999.7
40°	832.8
42.5°	690.4
45°	582.5
47.5°	497.4
50°	433.6
52.5°	381.2
55°	340.3
57.5°	301.0
60°	265.1
62.5°	230.7
65°	196.3
67.5°	165.2
70°	135.8
72.5°	106.3
75°	80.2
77.5°	57.3
80°	36.0
82.5°	19.6
85°	8.2
87.5°	1.6
90°	0.0

(END OF REPORT)