

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: P365648

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3791.0 lumens
Efficiency: N/A
Efficacy: 68.8 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

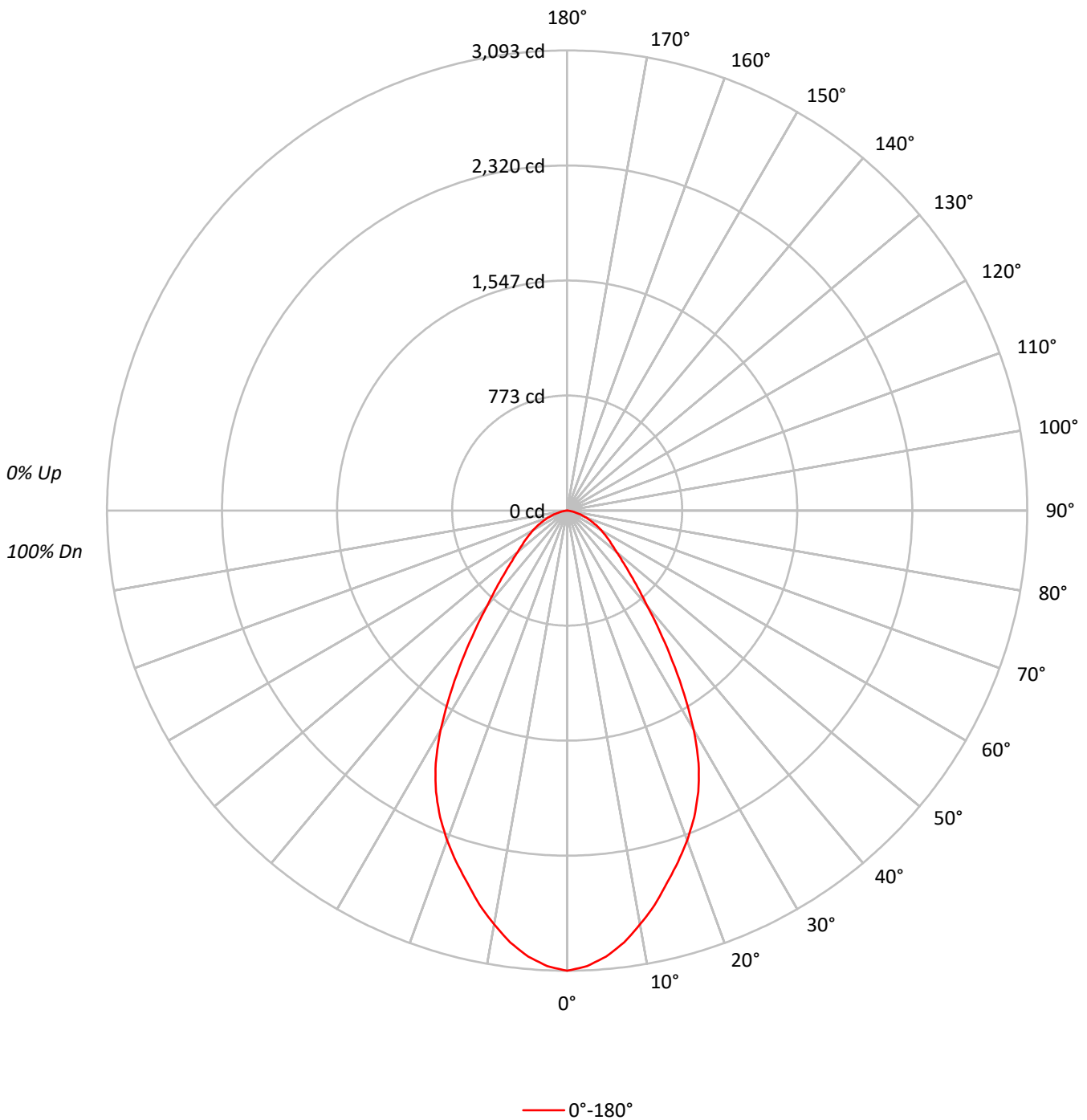
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		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	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		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	79	69	62	57	67	61	56		65	60	56		64	59	56	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	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84478
5°	82506
10°	78331
15°	73254
20°	68555
25°	62876
30°	53642
35°	41065
40°	29856
45°	22776
50°	18456
55°	16196
60°	14390
65°	12513
70°	10590
75°	8285
80°	5490
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	7.4
10°-20°	728.4	19.2
20°-30°	947.1	25.0
30°-40°	771.8	20.4
40°-50°	466.0	12.3
50°-60°	306.0	8.1
60°-70°	193.3	5.1
70°-80°	84.5	2.2
80°-90°	12.3	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°	1956.9	51.6
0°-40°	2728.8	72.0
0°-60°	3500.8	92.3
0°-90°	3791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3093	
5°	3009	281
15°	2590	728
25°	2086	947
35°	1232	772
45°	590	466
55°	340	306
65°	194	193
75°	78	85
85°	7	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3092.7
2.5°	3064.8
5°	3009.0
7.5°	2928.8
10°	2824.1
12.5°	2716.0
15°	2590.4
17.5°	2477.0
20°	2358.4
22.5°	2231.0
25°	2086.2
27.5°	1913.6
30°	1700.7
32.5°	1463.5
35°	1231.5
37.5°	1018.7
40°	837.3
42.5°	701.2
45°	589.6
47.5°	502.4
50°	434.3
52.5°	382.0
55°	340.1
57.5°	300.0
60°	263.4
62.5°	228.5
65°	193.6
67.5°	162.2
70°	132.6
72.5°	104.7
75°	78.5
77.5°	54.1
80°	34.9
82.5°	19.2
85°	7.0
87.5°	1.7
90°	0.0

(END OF REPORT)