

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: P365672

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)  
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-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2845.0 lumens  
Efficiency: N/A  
Efficacy: 51.6 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

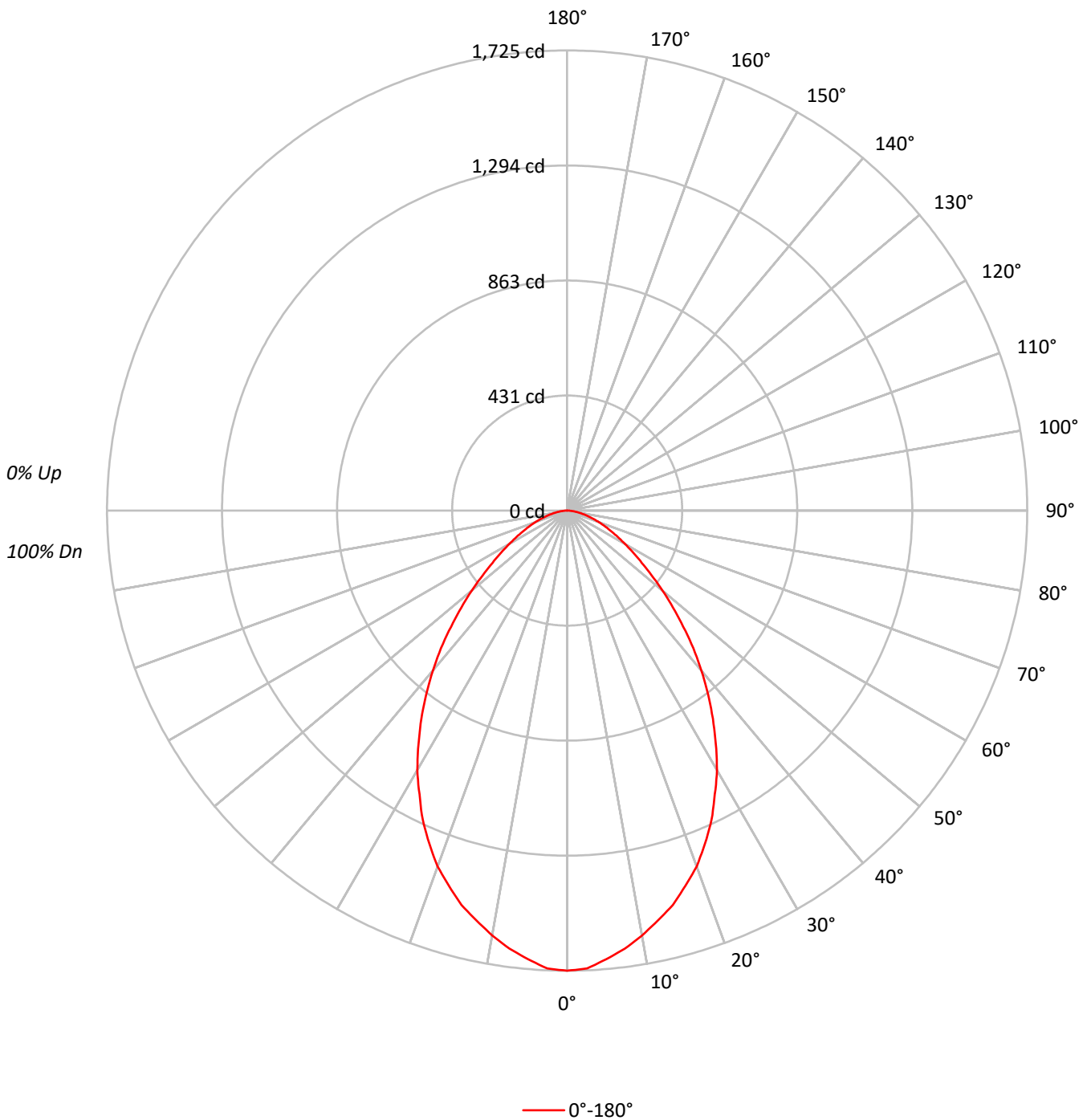
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	123499
5°	121304
10°	117581
15°	113475
20°	108177
25°	101157
30°	92881
35°	83240
40°	73187
45°	62326
50°	52054
55°	42706
60°	35858
65°	30479
70°	26587
75°	22436
80°	18184
85°	14459



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.0	5.6
10°-20°	429.2	15.1
20°-30°	586.3	20.6
30°-40°	594.2	20.9
40°-50°	476.5	16.7
50°-60°	310.4	10.9
60°-70°	181.3	6.4
70°-80°	87.1	3.1
80°-90°	20.9	0.7
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°	1174.5	41.3
0°-40°	1768.7	62.2
0°-60°	2555.7	89.8
0°-90°	2845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2845.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1725	
5°	1688	159
15°	1531	429
25°	1280	586
35°	952	594
45°	616	477
55°	342	310
65°	180	181
75°	81	87
85°	18	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1724.8
2.5°	1717.7
5°	1687.7
7.5°	1656.0
10°	1617.2
12.5°	1573.1
15°	1530.8
17.5°	1474.4
20°	1419.7
22.5°	1350.9
25°	1280.4
27.5°	1199.2
30°	1123.4
32.5°	1037.0
35°	952.3
37.5°	867.7
40°	783.0
42.5°	700.1
45°	615.5
47.5°	537.9
50°	467.3
52.5°	398.6
55°	342.1
57.5°	292.8
60°	250.4
62.5°	213.4
65°	179.9
67.5°	151.7
70°	127.0
72.5°	102.3
75°	81.1
77.5°	61.7
80°	44.1
82.5°	30.0
85°	17.6
87.5°	7.1
90°	0.0

(END OF REPORT)