

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: P365652

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365652  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)  
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-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3025.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

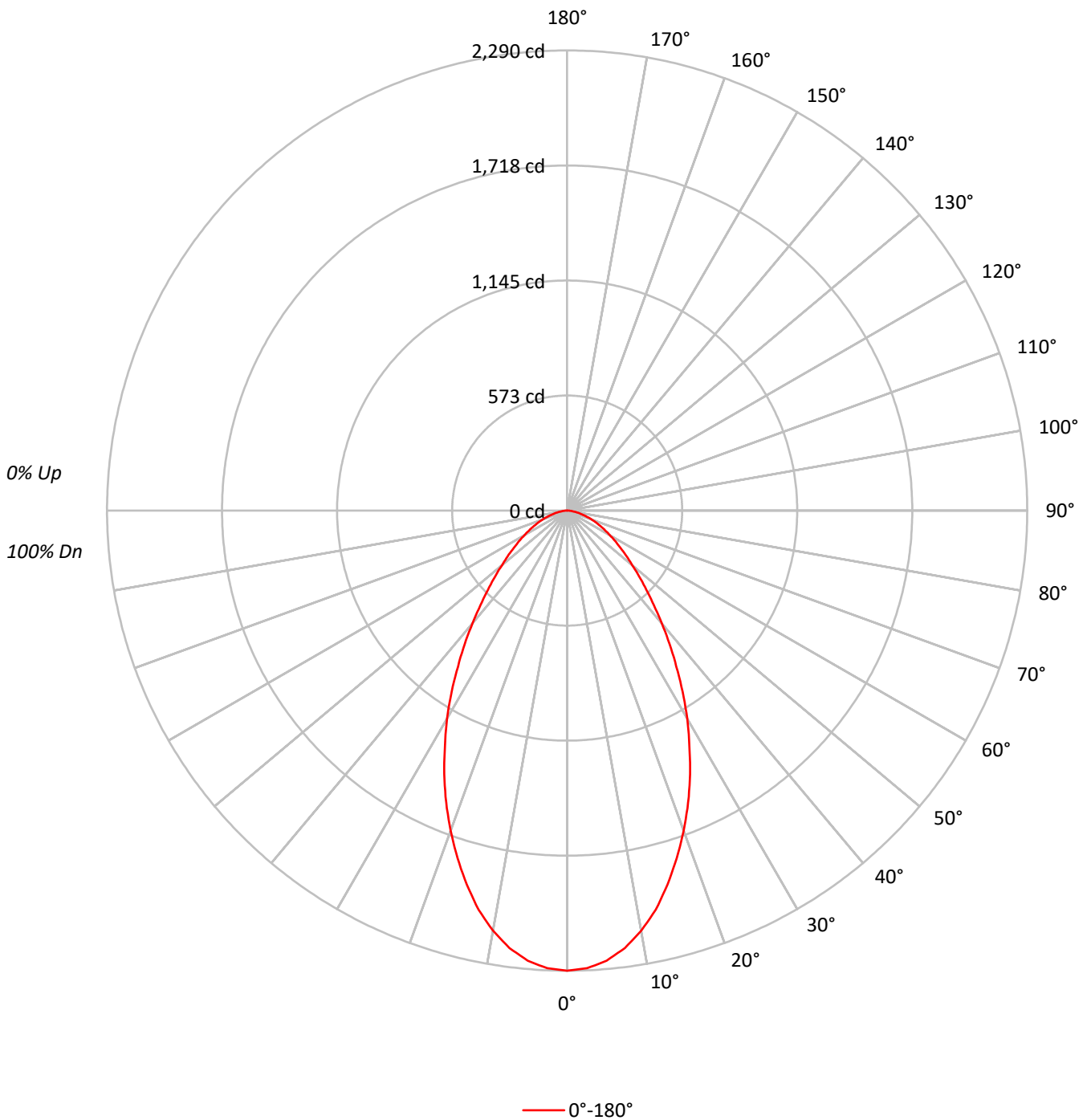
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	163961
5°	161583
10°	154319
15°	142859
20°	129169
25°	114366
30°	98776
35°	82777
40°	68466
45°	56513
50°	47208
55°	40496
60°	35214
65°	31022
70°	27027
75°	22685
80°	18679
85°	14295



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.6	7.0
10°-20°	538.4	17.8
20°-30°	662.3	21.9
30°-40°	593.8	19.6
40°-50°	434.5	14.4
50°-60°	293.8	9.7
60°-70°	182.6	6.0
70°-80°	88.2	2.9
80°-90°	20.8	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°	1411.2	46.7
0°-40°	2005.0	66.3
0°-60°	2733.4	90.4
0°-90°	3025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2290	
5°	2248	211
15°	1927	538
25°	1448	662
35°	947	594
45°	558	435
55°	324	294
65°	183	183
75°	82	88
85°	17	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2289.9
2.5°	2279.5
5°	2248.1
7.5°	2195.7
10°	2122.5
12.5°	2035.3
15°	1927.2
17.5°	1813.8
20°	1695.2
22.5°	1573.1
25°	1447.6
27.5°	1316.8
30°	1194.7
32.5°	1069.1
35°	947.0
37.5°	837.1
40°	732.5
42.5°	638.3
45°	558.1
47.5°	486.6
50°	423.8
52.5°	373.2
55°	324.4
57.5°	284.3
60°	245.9
62.5°	212.8
65°	183.1
67.5°	155.2
70°	129.1
72.5°	104.6
75°	82.0
77.5°	61.0
80°	45.3
82.5°	29.6
85°	17.4
87.5°	7.0
90°	0.0

(END OF REPORT)