

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: P365620

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2886.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

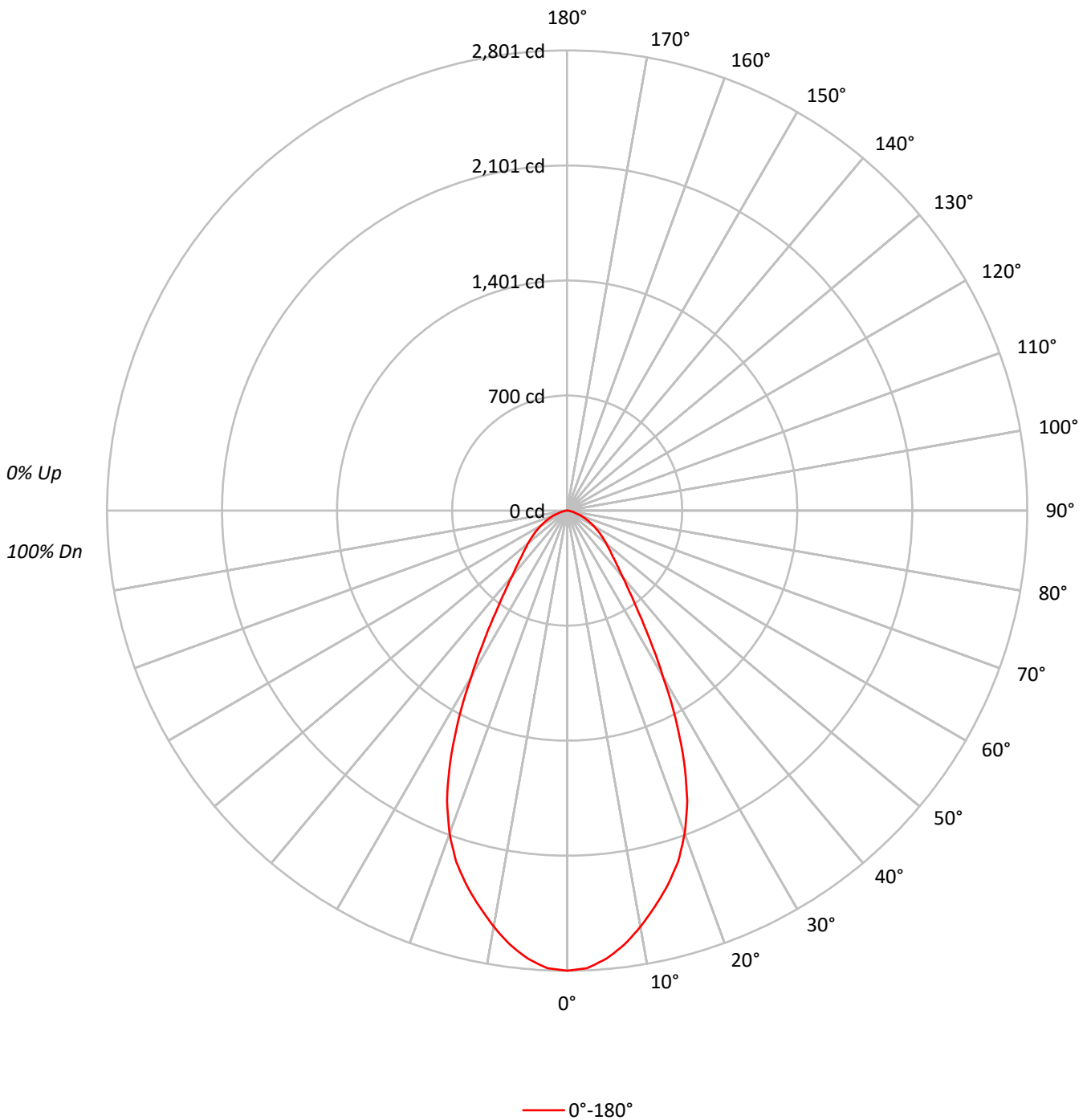
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200535
5°	196831
10°	186972
15°	175112
20°	159427
25°	132987
30°	96436
35°	66353
40°	48782
45°	39593
50°	34443
55°	30435
60°	26478
65°	22449
70°	18151
75°	13113
80°	8783
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.1	8.9
10°-20°	659.8	22.9
20°-30°	757.2	26.2
30°-40°	490.0	17.0
40°-50°	307.9	10.7
50°-60°	219.1	7.6
60°-70°	132.1	4.6
70°-80°	52.5	1.8
80°-90°	11.4	0.4
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°	1673.0	58.0
0°-40°	2163.0	74.9
0°-60°	2690.0	93.2
0°-90°	2886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2801	
5°	2738	256
15°	2362	660
25°	1683	757
35°	759	490
45°	391	308
55°	244	219
65°	132	132
75°	47	53
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2800.7
2.5°	2787.6
5°	2738.5
7.5°	2664.9
10°	2571.6
12.5°	2468.6
15°	2362.3
17.5°	2242.8
20°	2092.3
22.5°	1910.7
25°	1683.3
27.5°	1429.8
30°	1166.4
32.5°	943.9
35°	759.1
37.5°	623.3
40°	521.9
42.5°	448.2
45°	391.0
47.5°	346.8
50°	309.2
52.5°	276.5
55°	243.8
57.5°	214.3
60°	184.9
62.5°	158.7
65°	132.5
67.5°	108.0
70°	86.7
72.5°	65.4
75°	47.4
77.5°	32.7
80°	21.3
82.5°	13.1
85°	11.5
87.5°	6.5
90°	0.0

(END OF REPORT)