

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: P365655

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3099.9 lumens
Efficiency: N/A
Efficacy: 56.3 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

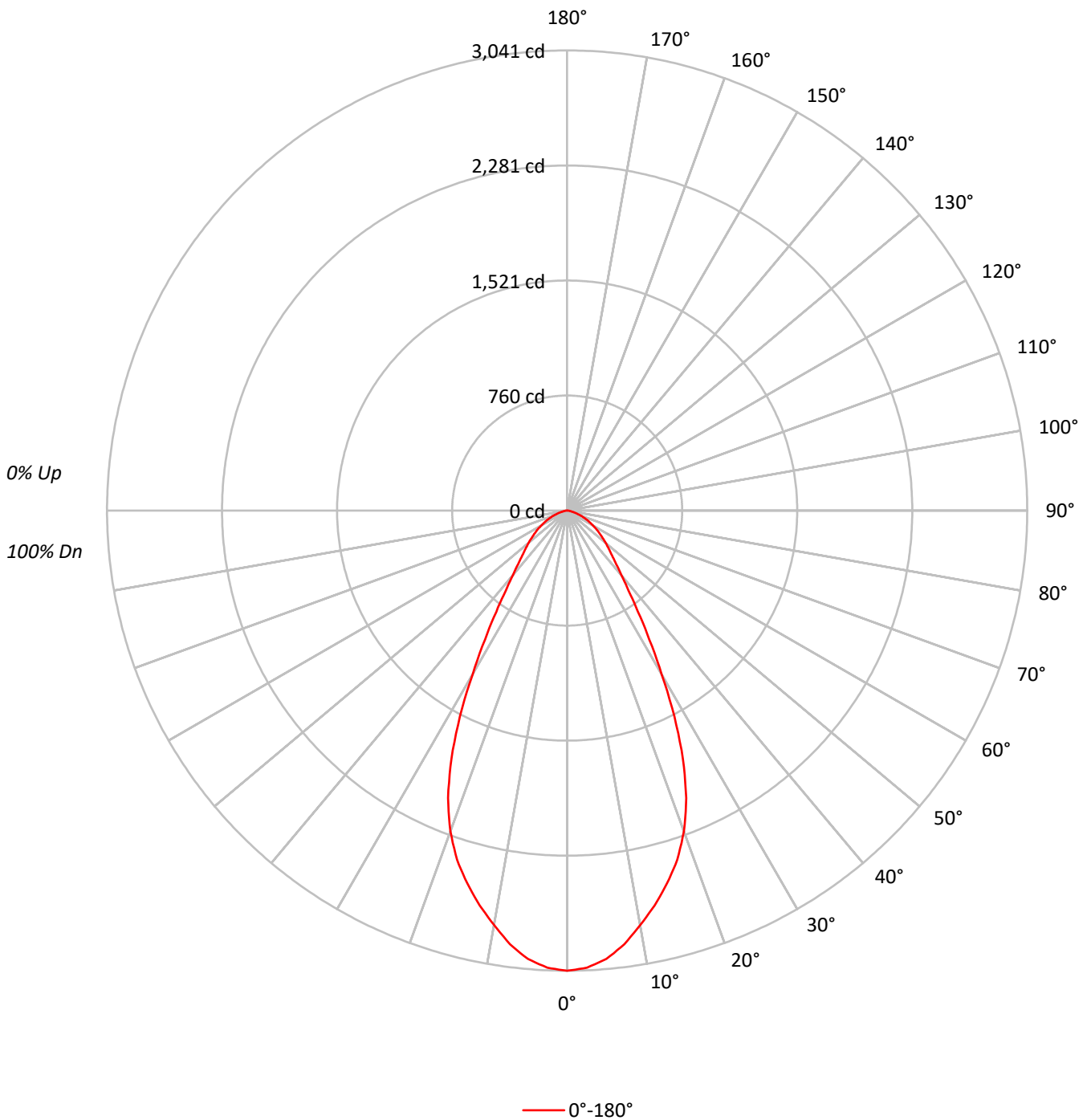
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217734
5°	213800
10°	202189
15°	189070
20°	171885
25°	143068
30°	103274
35°	71370
40°	52184
45°	42398
50°	36927
55°	32444
60°	28225
65°	23940
70°	19365
75°	13500
80°	8618
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.7	9.0
10°-20°	712.6	23.0
20°-30°	814.0	26.3
30°-40°	525.0	16.9
40°-50°	329.7	10.6
50°-60°	233.8	7.5
60°-70°	140.9	4.5
70°-80°	54.4	1.8
80°-90°	11.9	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°	1804.3	58.2
0°-40°	2329.3	75.1
0°-60°	2892.8	93.3
0°-90°	3099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3099.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3041	
5°	2975	278
15°	2551	713
25°	1811	814
35°	816	525
45°	419	330
55°	260	234
65°	141	141
75°	49	54
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3040.9
2.5°	3023.4
5°	2974.6
7.5°	2890.8
10°	2780.9
12.5°	2672.8
15°	2550.6
17.5°	2419.8
20°	2255.8
22.5°	2056.9
25°	1810.9
27.5°	1533.5
30°	1249.1
32.5°	1010.1
35°	816.5
37.5°	666.4
40°	558.3
42.5°	479.8
45°	418.7
47.5°	371.6
50°	331.5
52.5°	294.8
55°	259.9
57.5°	228.5
60°	197.1
62.5°	169.2
65°	141.3
67.5°	115.1
70°	92.5
72.5°	68.0
75°	48.8
77.5°	33.1
80°	20.9
82.5°	14.0
85°	12.2
87.5°	7.0
90°	0.0

(END OF REPORT)