

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: P365698

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4642.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

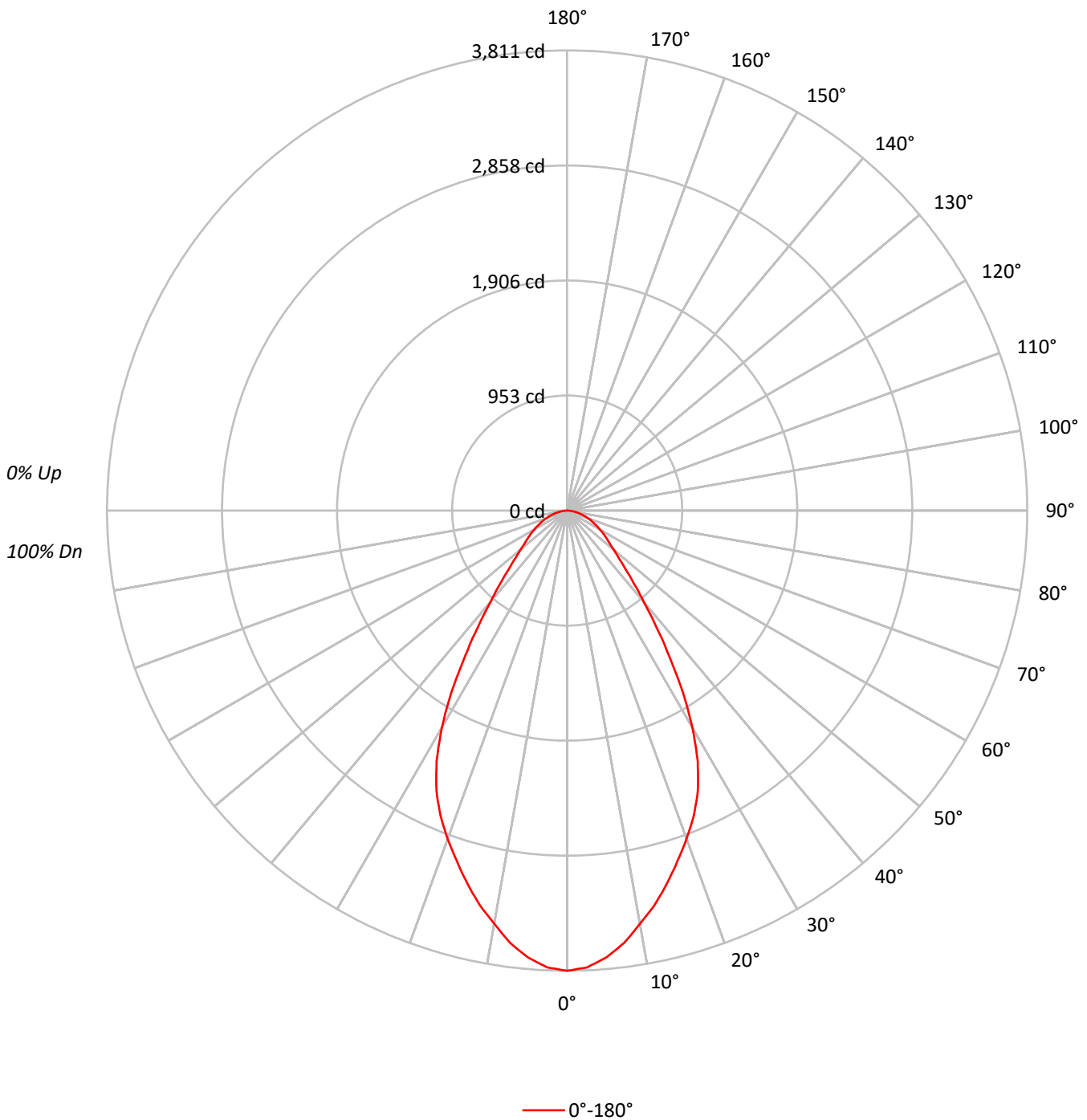
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
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	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104093
5°	101847
10°	96357
15°	90388
20°	84089
25°	77189
30°	65410
35°	49132
40°	35255
45°	26372
50°	21252
55°	18859
60°	17138
65°	15706
70°	14376
75°	13161
80°	11735
85°	9684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	7.5
10°-20°	896.1	19.3
20°-30°	1160.6	25.0
30°-40°	929.0	20.0
40°-50°	541.8	11.7
50°-60°	357.0	7.7
60°-70°	242.3	5.2
70°-80°	132.5	2.9
80°-90°	35.7	0.8
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°	2403.7	51.8
0°-40°	3332.7	71.8
0°-60°	4231.5	91.2
0°-90°	4642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3811	
5°	3714	347
15°	3196	896
25°	2561	1161
35°	1473	929
45°	683	542
55°	396	357
65°	243	242
75°	125	133
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3810.8
2.5°	3786.4
5°	3714.4
7.5°	3611.5
10°	3474.0
12.5°	3345.4
15°	3196.3
17.5°	3040.7
20°	2892.8
22.5°	2738.6
25°	2561.1
27.5°	2341.3
30°	2073.8
32.5°	1784.6
35°	1473.4
37.5°	1212.4
40°	988.7
42.5°	819.0
45°	682.7
47.5°	578.6
50°	500.1
52.5°	441.0
55°	396.0
57.5°	354.9
60°	313.7
62.5°	277.7
65°	243.0
67.5°	212.1
70°	180.0
72.5°	151.7
75°	124.7
77.5°	99.0
80°	74.6
82.5°	51.4
85°	30.9
87.5°	11.6
90°	0.0

(END OF REPORT)