

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: P365644

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365644
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-FEU6B35-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4396.0 lumens
Efficiency: N/A
Efficacy: 79.8 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

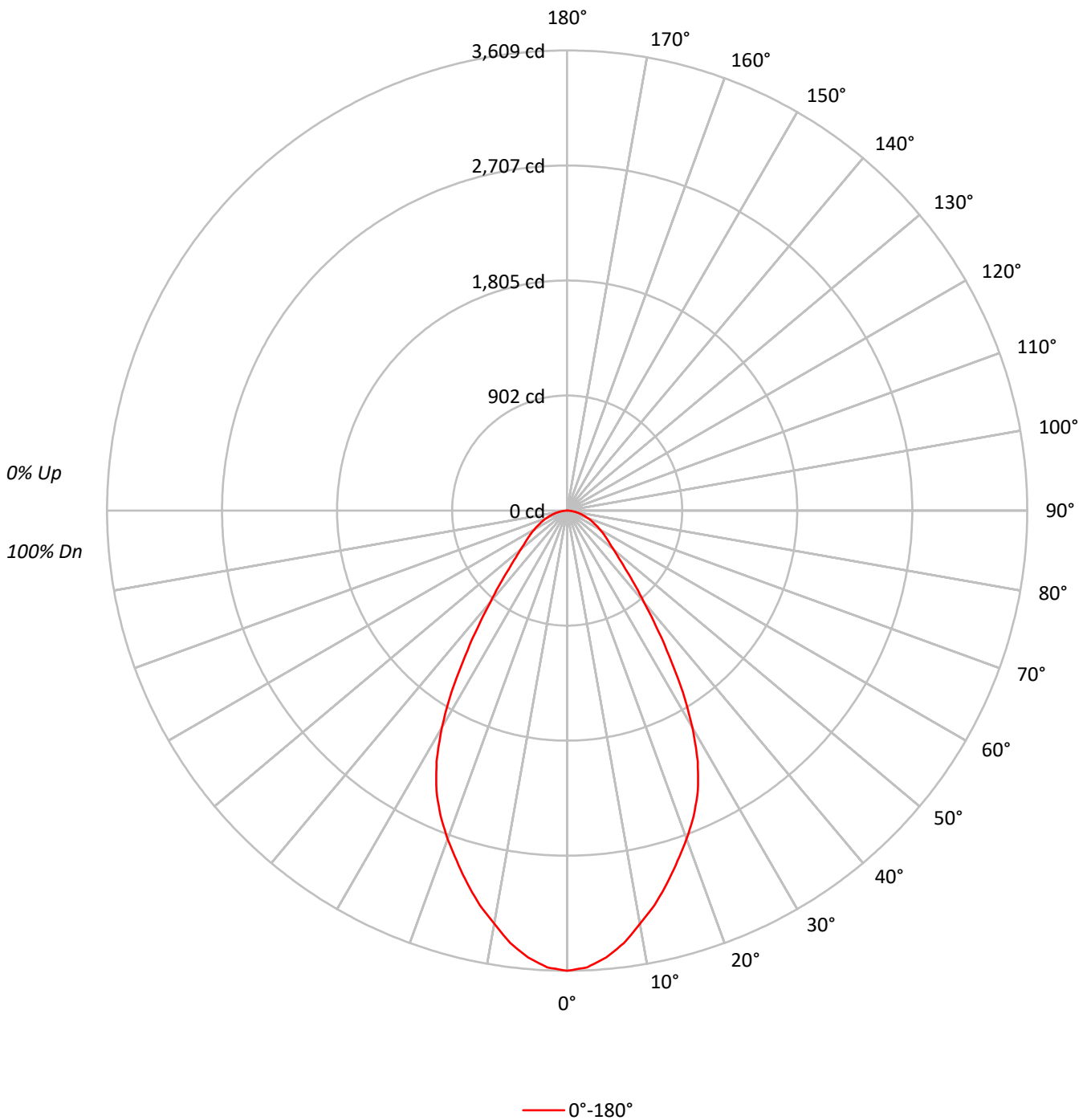
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98578
5°	96451
10°	91251
15°	85597
20°	79633
25°	73099
30°	61943
35°	46527
40°	33386
45°	24974
50°	20126
55°	17859
60°	16231
65°	14872
70°	13617
75°	12464
80°	11106
85°	9151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	7.5
10°-20°	848.6	19.3
20°-30°	1099.1	25.0
30°-40°	879.7	20.0
40°-50°	513.0	11.7
50°-60°	338.1	7.7
60°-70°	229.4	5.2
70°-80°	125.5	2.9
80°-90°	33.8	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°	2276.3	51.8
0°-40°	3156.1	71.8
0°-60°	4007.2	91.2
0°-90°	4396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4396.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3609	
5°	3518	329
15°	3027	849
25°	2425	1099
35°	1395	880
45°	646	513
55°	375	338
65°	230	229
75°	118	126
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3608.9
2.5°	3585.7
5°	3517.6
7.5°	3420.2
10°	3289.9
12.5°	3168.1
15°	3026.9
17.5°	2879.6
20°	2739.5
22.5°	2593.4
25°	2425.4
27.5°	2217.2
30°	1963.9
32.5°	1690.0
35°	1395.3
37.5°	1148.2
40°	936.3
42.5°	775.6
45°	646.5
47.5°	547.9
50°	473.6
52.5°	417.6
55°	375.0
57.5°	336.0
60°	297.1
62.5°	263.0
65°	230.1
67.5°	200.9
70°	170.5
72.5°	143.7
75°	118.1
77.5°	93.8
80°	70.6
82.5°	48.7
85°	29.2
87.5°	11.0
90°	0.0

(END OF REPORT)