

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: P365626

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365626
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-FEU6B35-8027-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4206.0 lumens
Efficiency: N/A
Efficacy: 76.3 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

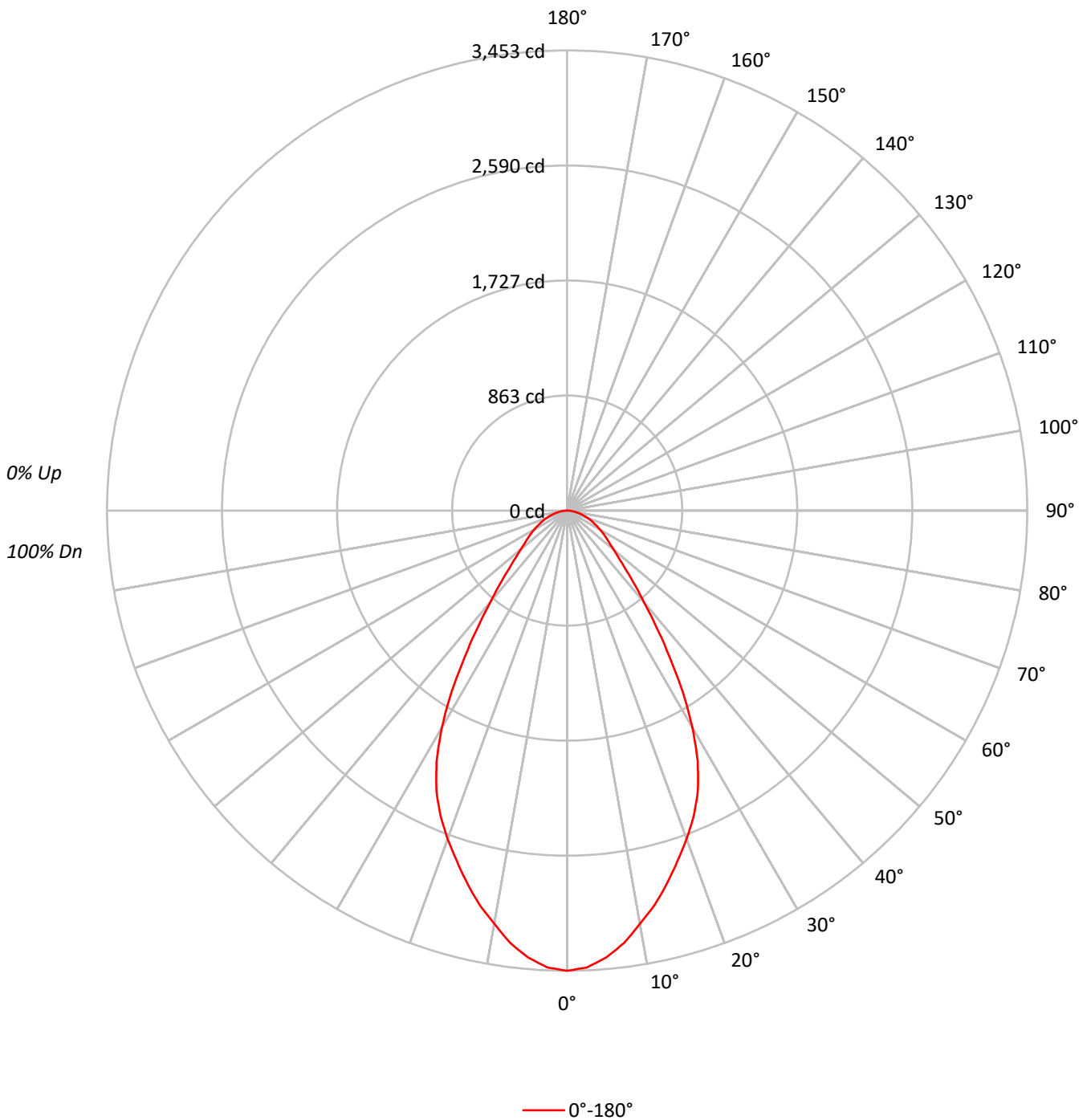
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80				80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71				71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64				64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59				59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54				54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42				42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39				39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94317
5°	92281
10°	87307
15°	81898
20°	76191
25°	69941
30°	59269
35°	44517
40°	31942
45°	23896
50°	19259
55°	17087
60°	15526
65°	14232
70°	13026
75°	11926
80°	10634
85°	8775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.4	7.5
10°-20°	812.0	19.3
20°-30°	1051.6	25.0
30°-40°	841.7	20.0
40°-50°	490.9	11.7
50°-60°	323.5	7.7
60°-70°	219.5	5.2
70°-80°	120.1	2.9
80°-90°	32.3	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°	2178.0	51.8
0°-40°	3019.7	71.8
0°-60°	3834.0	91.2
0°-90°	4206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3453	
5°	3366	314
15°	2896	812
25°	2321	1052
35°	1335	842
45°	619	491
55°	359	324
65°	220	220
75°	113	120
85°	28	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3452.9
2.5°	3430.8
5°	3365.5
7.5°	3272.3
10°	3147.7
12.5°	3031.2
15°	2896.1
17.5°	2755.1
20°	2621.1
22.5°	2481.3
25°	2320.6
27.5°	2121.4
30°	1879.1
32.5°	1616.9
35°	1335.0
37.5°	1098.5
40°	895.8
42.5°	742.1
45°	618.6
47.5°	524.2
50°	453.2
52.5°	399.6
55°	358.8
57.5°	321.5
60°	284.2
62.5°	251.6
65°	220.2
67.5°	192.2
70°	163.1
72.5°	137.5
75°	113.0
77.5°	89.7
80°	67.6
82.5°	46.6
85°	28.0
87.5°	10.5
90°	0.0

(END OF REPORT)