

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: P364926

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
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-LI-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4612.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

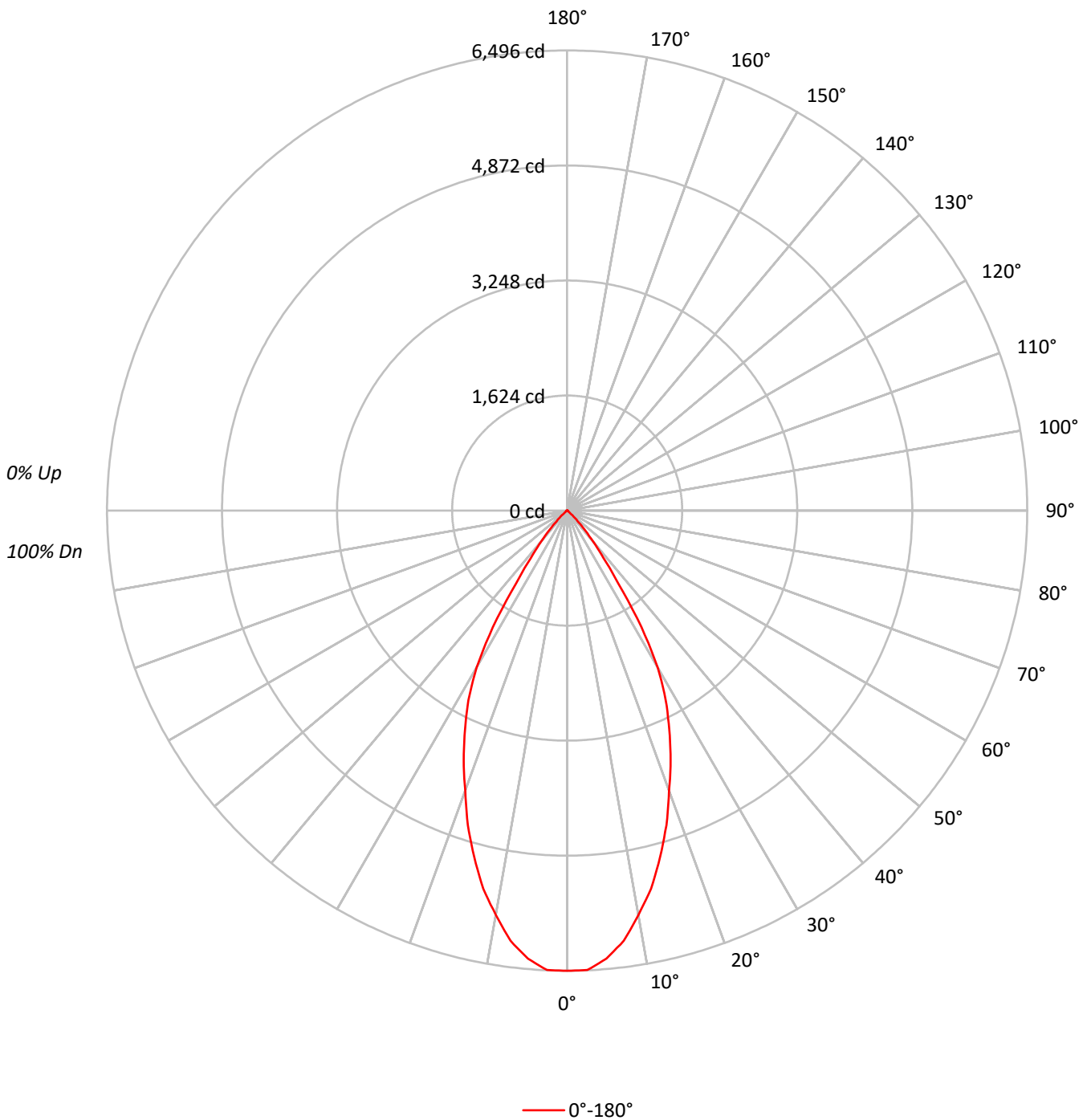
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177443
5°	174068
10°	160751
15°	143246
20°	122334
25°	102738
30°	80653
35°	41792
40°	19958
45°	7857
50°	2070
55°	581
60°	382
65°	336
70°	280
75°	369
80°	267
85°	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.7	12.8
10°-20°	1407.8	30.5
20°-30°	1554.3	33.7
30°-40°	855.3	18.5
40°-50°	180.8	3.9
50°-60°	15.3	0.3
60°-70°	4.7	0.1
70°-80°	3.4	0.1
80°-90°	1.6	0.0
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°	3550.8	77.0
0°-40°	4406.1	95.5
0°-60°	4602.2	99.8
0°-90°	4612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6496	
5°	6348	589
15°	5066	1408
25°	3409	1554
35°	1253	855
45°	203	181
55°	12	15
65°	5	5
75°	4	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6496.1
2.5°	6492.6
5°	6348.3
7.5°	6125.8
10°	5795.6
12.5°	5467.0
15°	5065.5
17.5°	4657.0
20°	4208.5
22.5°	3815.6
25°	3408.8
27.5°	3016.0
30°	2557.1
32.5°	1952.1
35°	1253.3
37.5°	844.8
40°	559.7
42.5°	349.4
45°	203.4
47.5°	104.3
50°	48.7
52.5°	20.9
55°	12.2
57.5°	8.7
60°	7.0
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	5.2
75°	3.5
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)