

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: P366366

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4555.9 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

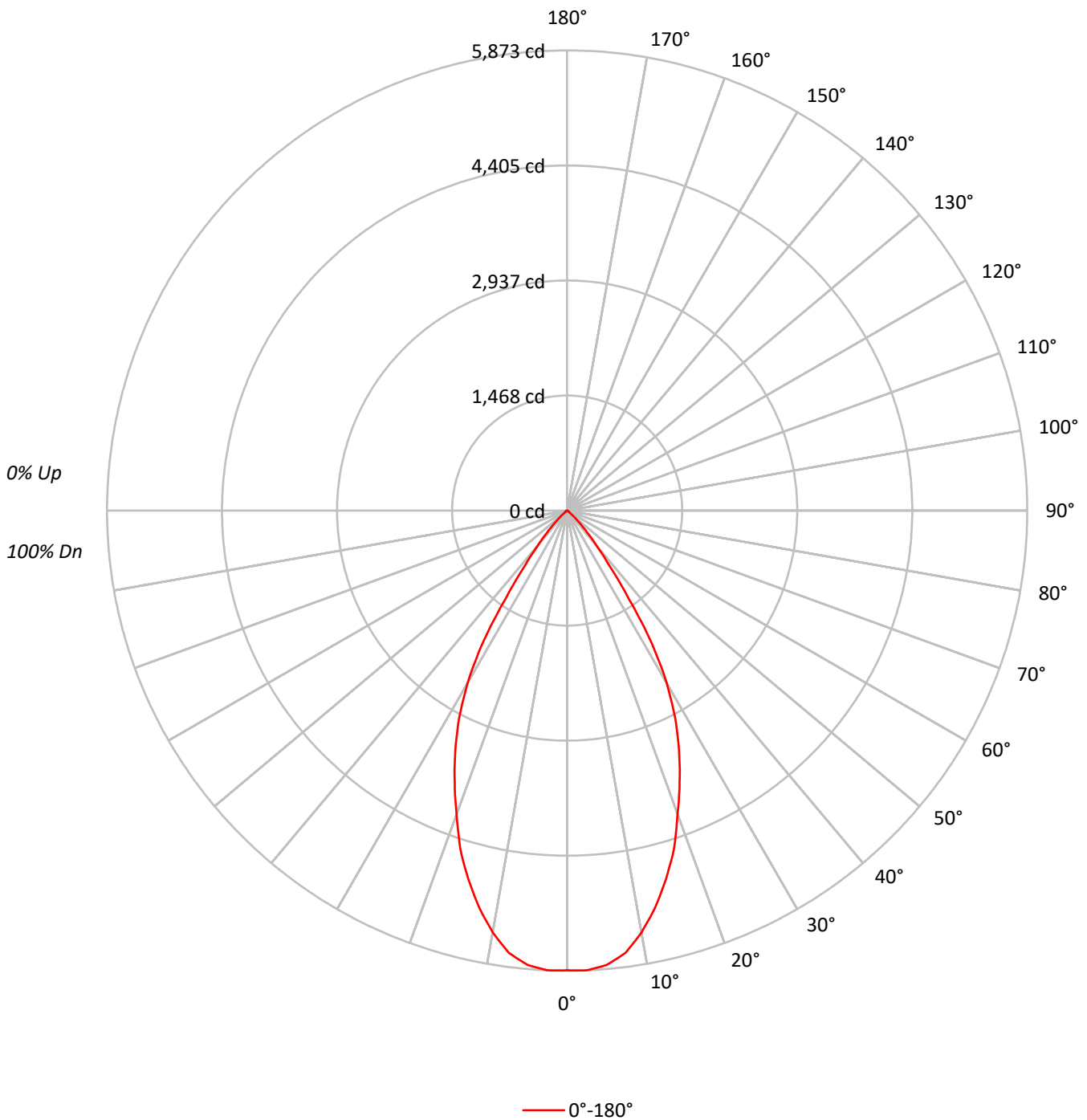
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160278
5°	159601
10°	151614
15°	137718
20°	119840
25°	101885
30°	80146
35°	45727
40°	20574
45°	8661
50°	2732
55°	829
60°	568
65°	452
70°	415
75°	549
80°	267
85°	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.5	12.0
10°-20°	1354.7	29.7
20°-30°	1535.1	33.7
30°-40°	889.9	19.5
40°-50°	197.3	4.3
50°-60°	21.6	0.5
60°-70°	7.1	0.2
70°-80°	4.6	0.1
80°-90°	1.2	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°	3434.2	75.4
0°-40°	4324.2	94.9
0°-60°	4543.1	99.7
0°-90°	4555.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4555.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5868	
5°	5821	544
15°	4870	1355
25°	3380	1535
35°	1371	890
45°	224	197
55°	17	22
65°	7	7
75°	5	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5867.7
2.5°	5872.9
5°	5820.7
7.5°	5693.9
10°	5466.2
12.5°	5189.8
15°	4870.0
17.5°	4532.8
20°	4122.7
22.5°	3752.5
25°	3380.5
27.5°	2984.2
30°	2541.0
32.5°	2017.9
35°	1371.3
37.5°	881.2
40°	577.0
42.5°	377.2
45°	224.2
47.5°	125.1
50°	64.3
52.5°	29.5
55°	17.4
57.5°	13.9
60°	10.4
62.5°	8.7
65°	7.0
67.5°	5.2
70°	5.2
72.5°	5.2
75°	5.2
77.5°	3.5
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)