

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: P366332

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366332
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-FEU6B35-8027-F6LBXVM1-WMH-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4046.9 lumens
Efficiency: N/A
Efficacy: 73.4 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

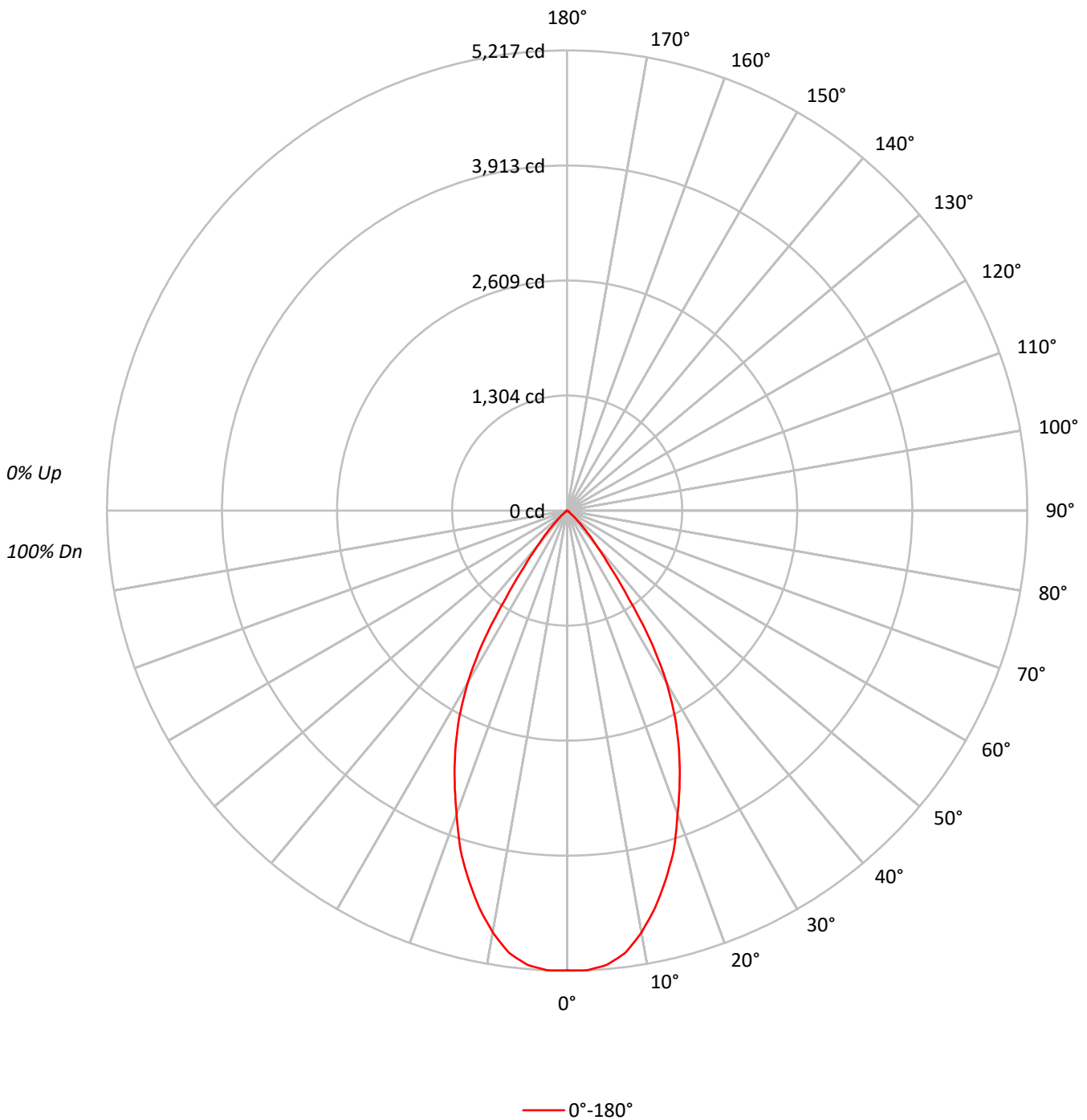
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	142370
5°	141770
10°	134675
15°	122331
20°	106451
25°	90502
30°	71191
35°	40618
40°	18278
45°	7695
50°	2426
55°	733
60°	508
65°	401
70°	367
75°	485
80°	236
85°	470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.6	12.0
10°-20°	1203.3	29.7
20°-30°	1363.6	33.7
30°-40°	790.5	19.5
40°-50°	175.3	4.3
50°-60°	19.2	0.5
60°-70°	6.3	0.2
70°-80°	4.0	0.1
80°-90°	1.0	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°	3050.5	75.4
0°-40°	3841.0	94.9
0°-60°	4035.6	99.7
0°-90°	4046.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4046.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5212	
5°	5170	484
15°	4326	1203
25°	3003	1364
35°	1218	790
45°	199	175
55°	15	19
65°	6	6
75°	5	4
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5212.1
2.5°	5216.8
5°	5170.4
7.5°	5057.7
10°	4855.5
12.5°	4610.0
15°	4325.9
17.5°	4026.4
20°	3662.1
22.5°	3333.2
25°	3002.8
27.5°	2650.8
30°	2257.1
32.5°	1792.4
35°	1218.1
37.5°	782.7
40°	512.6
42.5°	335.0
45°	199.2
47.5°	111.2
50°	57.1
52.5°	26.2
55°	15.4
57.5°	12.4
60°	9.3
62.5°	7.7
65°	6.2
67.5°	4.6
70°	4.6
72.5°	4.6
75°	4.6
77.5°	3.1
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)