

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: P366492

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366492
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: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509.0 lumens
Efficiency: N/A
Efficacy: 94.8 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

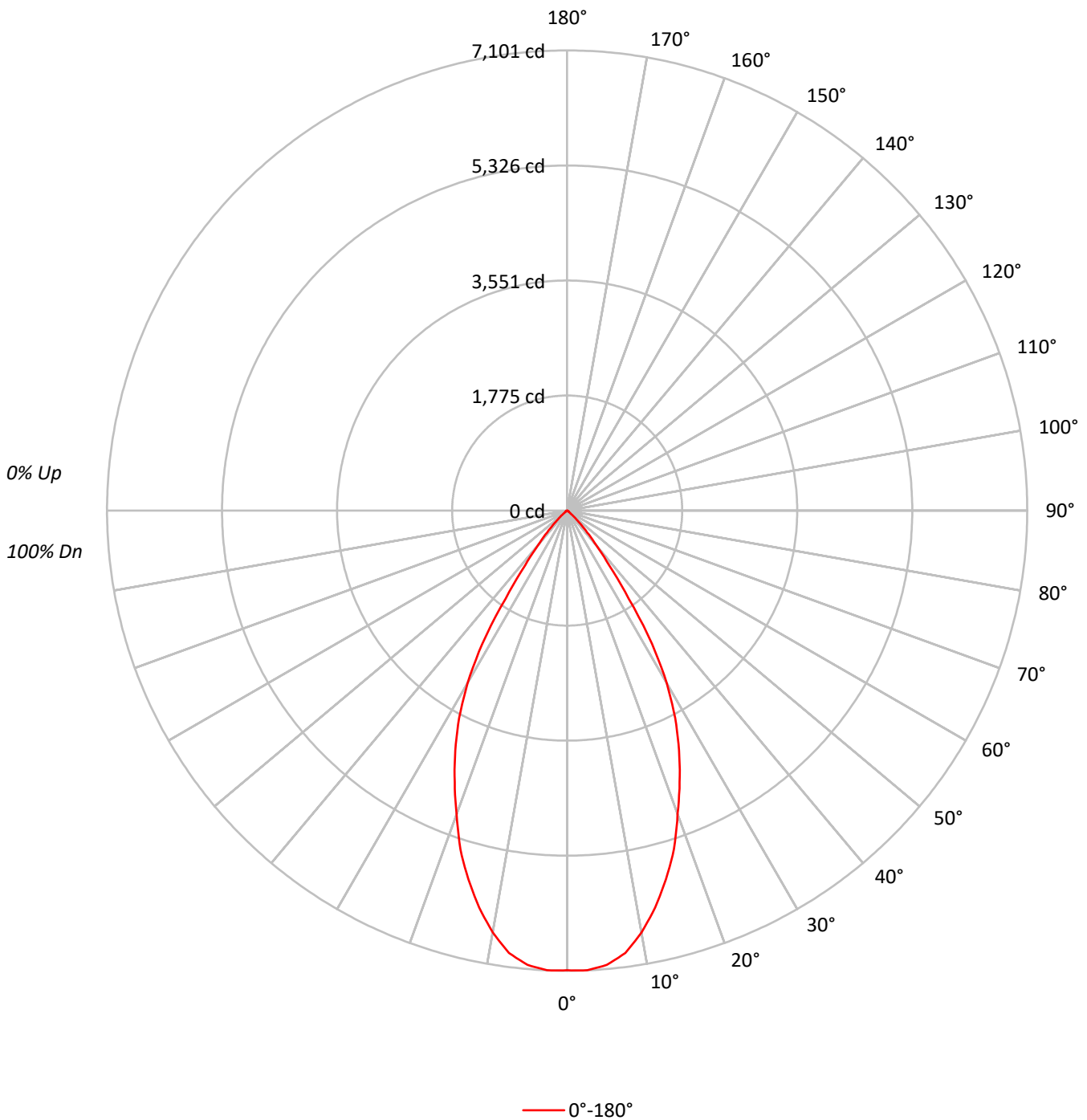
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	193802
5°	192987
10°	183328
15°	166526
20°	144905
25°	123196
30°	96913
35°	55294
40°	24878
45°	10472
50°	3306
55°	1000
60°	688
65°	543
70°	503
75°	665
80°	330
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.3	12.0
10°-20°	1638.1	29.7
20°-30°	1856.2	33.7
30°-40°	1076.1	19.5
40°-50°	238.6	4.3
50°-60°	26.2	0.5
60°-70°	8.6	0.2
70°-80°	5.5	0.1
80°-90°	1.4	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°	4152.6	75.4
0°-40°	5228.7	94.9
0°-60°	5493.5	99.7
0°-90°	5509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7095	
5°	7038	658
15°	5889	1638
25°	4088	1856
35°	1658	1076
45°	271	239
55°	21	26
65°	8	9
75°	6	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7095.0
2.5°	7101.3
5°	7038.3
7.5°	6884.9
10°	6609.6
12.5°	6275.4
15°	5888.7
17.5°	5481.0
20°	4985.0
22.5°	4537.4
25°	4087.6
27.5°	3608.5
30°	3072.6
32.5°	2440.0
35°	1658.2
37.5°	1065.5
40°	697.7
42.5°	456.0
45°	271.1
47.5°	151.3
50°	77.8
52.5°	35.7
55°	21.0
57.5°	16.8
60°	12.6
62.5°	10.5
65°	8.4
67.5°	6.3
70°	6.3
72.5°	6.3
75°	6.3
77.5°	4.2
80°	2.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)