

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: P366474

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366474
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-FEU6B67-8040-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: 5379.1 lumens
Efficiency: N/A
Efficacy: 92.6 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

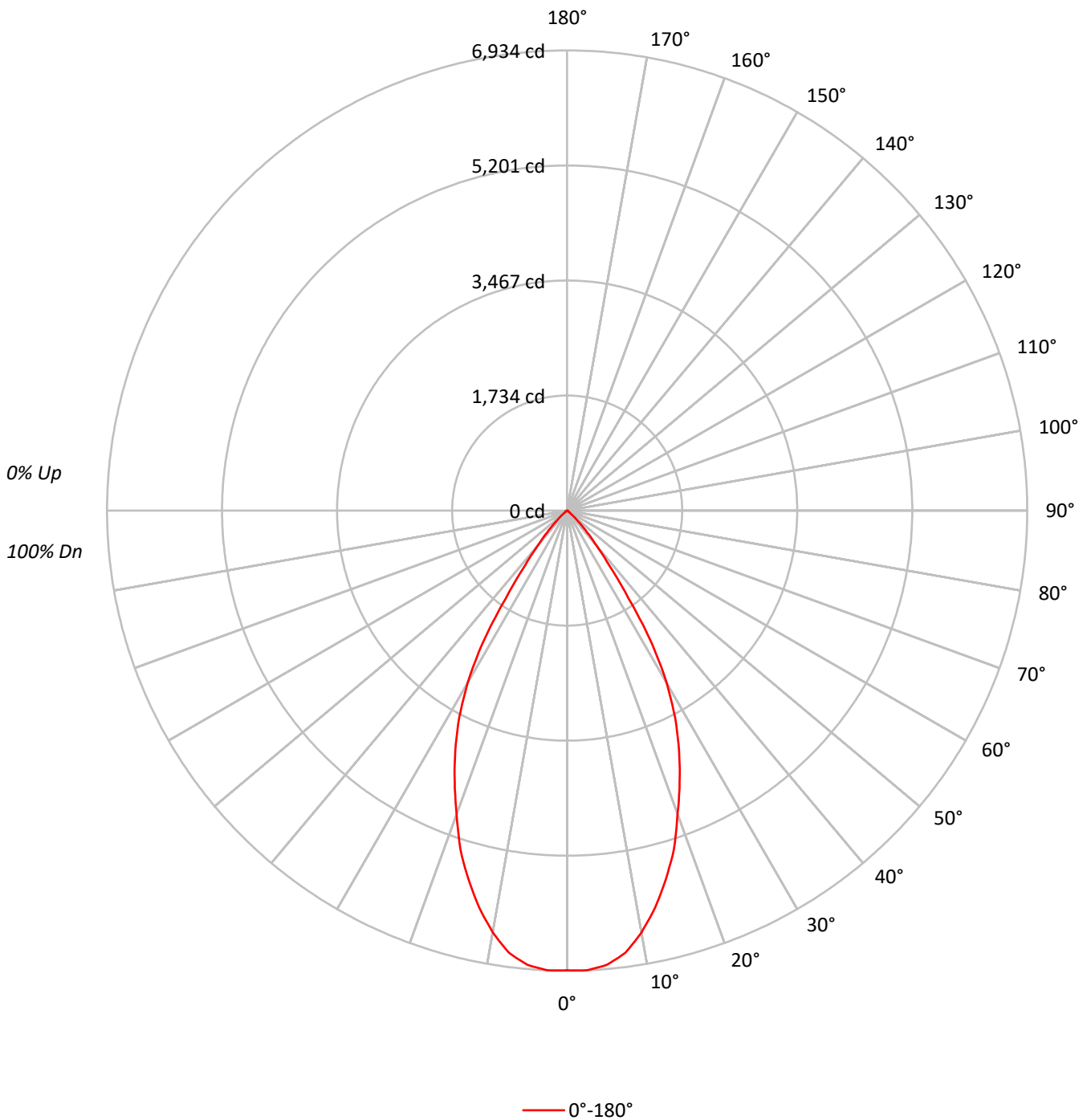
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	189229
5°	188433
10°	179001
15°	162595
20°	141487
25°	120291
30°	94623
35°	53987
40°	24293
45°	10225
50°	3225
55°	976
60°	672
65°	530
70°	495
75°	654
80°	330
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.8	12.0
10°-20°	1599.4	29.7
20°-30°	1812.4	33.7
30°-40°	1050.7	19.5
40°-50°	233.0	4.3
50°-60°	25.5	0.5
60°-70°	8.4	0.2
70°-80°	5.4	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°	4054.6	75.4
0°-40°	5105.3	94.9
0°-60°	5363.8	99.7
0°-90°	5379.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5379.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6928	
5°	6872	643
15°	5750	1599
25°	3991	1812
35°	1619	1051
45°	265	233
55°	20	26
65°	8	8
75°	6	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6927.6
2.5°	6933.8
5°	6872.2
7.5°	6722.4
10°	6453.6
12.5°	6127.3
15°	5749.7
17.5°	5351.7
20°	4867.4
22.5°	4430.3
25°	3991.2
27.5°	3523.3
30°	3000.0
32.5°	2382.4
35°	1619.0
37.5°	1040.4
40°	681.3
42.5°	445.3
45°	264.7
47.5°	147.7
50°	75.9
52.5°	34.9
55°	20.5
57.5°	16.4
60°	12.3
62.5°	10.3
65°	8.2
67.5°	6.2
70°	6.2
72.5°	6.2
75°	6.2
77.5°	4.1
80°	2.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)