

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: P366422

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366422
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-FEU6B67-8027-F6LBXVM1-WMH-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4728.0 lumens
Efficiency: N/A
Efficacy: 81.4 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

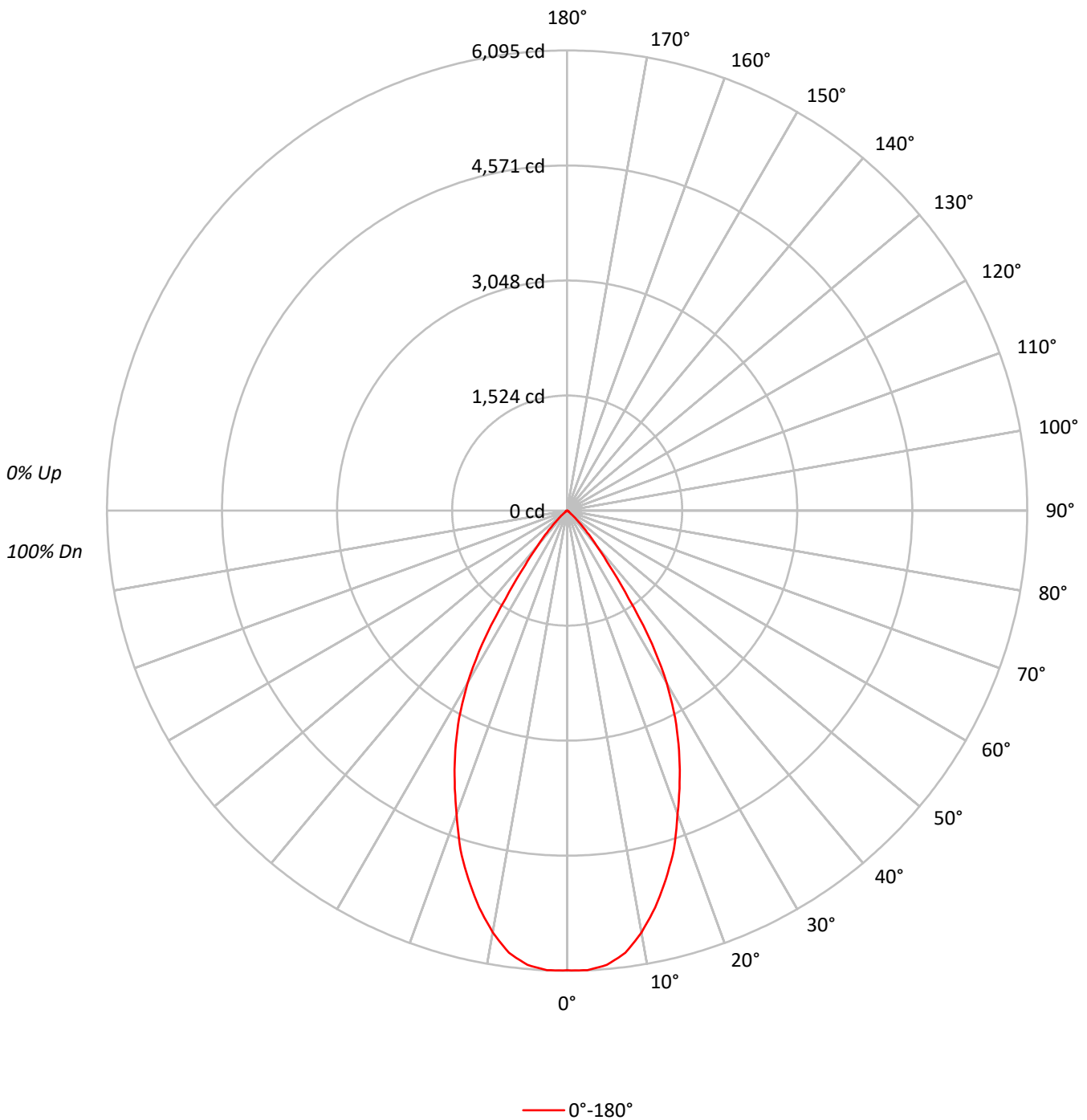
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	166328
5°	165628
10°	157336
15°	142918
20°	124363
25°	105731
30°	83173
35°	47454
40°	21352
45°	8989
50°	2834
55°	857
60°	590
65°	465
70°	431
75°	570
80°	283
85°	564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.0	12.0
10°-20°	1405.8	29.7
20°-30°	1593.1	33.7
30°-40°	923.5	19.5
40°-50°	204.8	4.3
50°-60°	22.4	0.5
60°-70°	7.3	0.2
70°-80°	4.7	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°	3563.9	75.4
0°-40°	4487.4	94.9
0°-60°	4714.7	99.7
0°-90°	4728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4728.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6089	
5°	6040	565
15°	5054	1406
25°	3508	1593
35°	1423	924
45°	233	205
55°	18	22
65°	7	7
75°	5	5
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6089.2
2.5°	6094.6
5°	6040.5
7.5°	5908.8
10°	5672.5
12.5°	5385.8
15°	5053.9
17.5°	4704.0
20°	4278.3
22.5°	3894.1
25°	3508.1
27.5°	3096.9
30°	2637.0
32.5°	2094.1
35°	1423.1
37.5°	914.5
40°	598.8
42.5°	391.4
45°	232.7
47.5°	129.9
50°	66.7
52.5°	30.7
55°	18.0
57.5°	14.4
60°	10.8
62.5°	9.0
65°	7.2
67.5°	5.4
70°	5.4
72.5°	5.4
75°	5.4
77.5°	3.6
80°	1.8
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)