

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: P366445

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4283.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

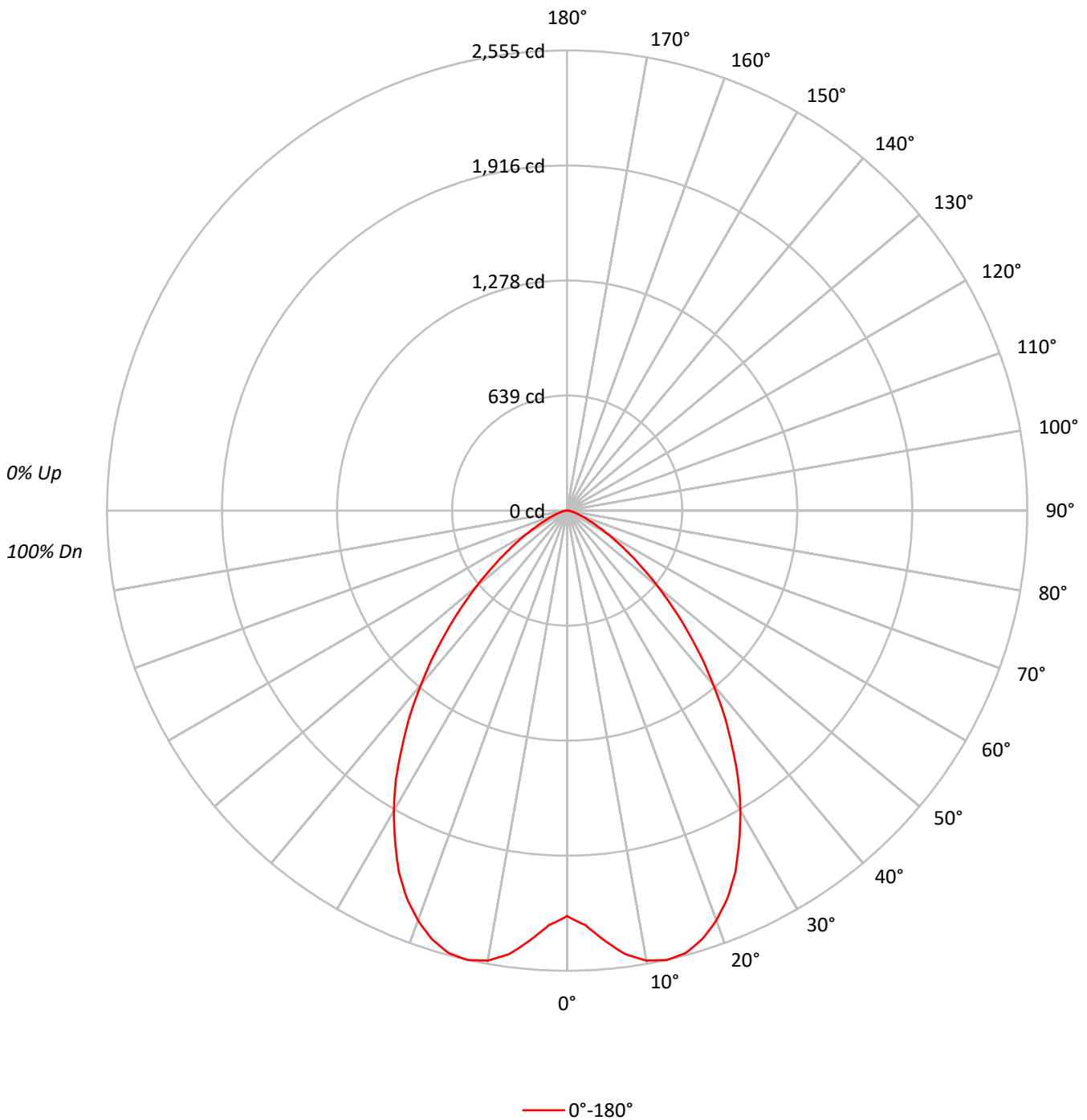
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161226
5°	172321
10°	184485
15°	188536
20°	184511
25°	174733
30°	159074
35°	139541
40°	117837
45°	95286
50°	73441
55°	53629
60°	36904
65°	24380
70°	15890
75°	11619
80°	9896
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	5.4
10°-20°	712.2	16.6
20°-30°	1009.1	23.6
30°-40°	995.3	23.2
40°-50°	729.5	17.0
50°-60°	391.1	9.1
60°-70°	150.3	3.5
70°-80°	47.9	1.1
80°-90°	14.2	0.3
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°	1954.7	45.6
0°-40°	2950.0	68.9
0°-60°	4070.7	95.0
0°-90°	4283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4283.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2252	
5°	2398	233
15°	2543	712
25°	2212	1009
35°	1596	995
45°	941	730
55°	430	391
65°	144	150
75°	42	48
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2251.7
2.5°	2303.6
5°	2397.5
7.5°	2485.4
10°	2537.4
12.5°	2555.4
15°	2543.4
17.5°	2495.4
20°	2421.5
22.5°	2327.6
25°	2211.7
27.5°	2067.9
30°	1924.0
32.5°	1768.2
35°	1596.4
37.5°	1432.5
40°	1260.7
42.5°	1102.9
45°	941.0
47.5°	797.2
50°	659.3
52.5°	535.4
55°	429.6
57.5°	335.7
60°	257.7
62.5°	193.8
65°	143.9
67.5°	105.9
70°	75.9
72.5°	57.9
75°	42.0
77.5°	32.0
80°	24.0
82.5°	18.0
85°	14.0
87.5°	8.0
90°	0.0

(END OF REPORT)