

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: P365706

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3314.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

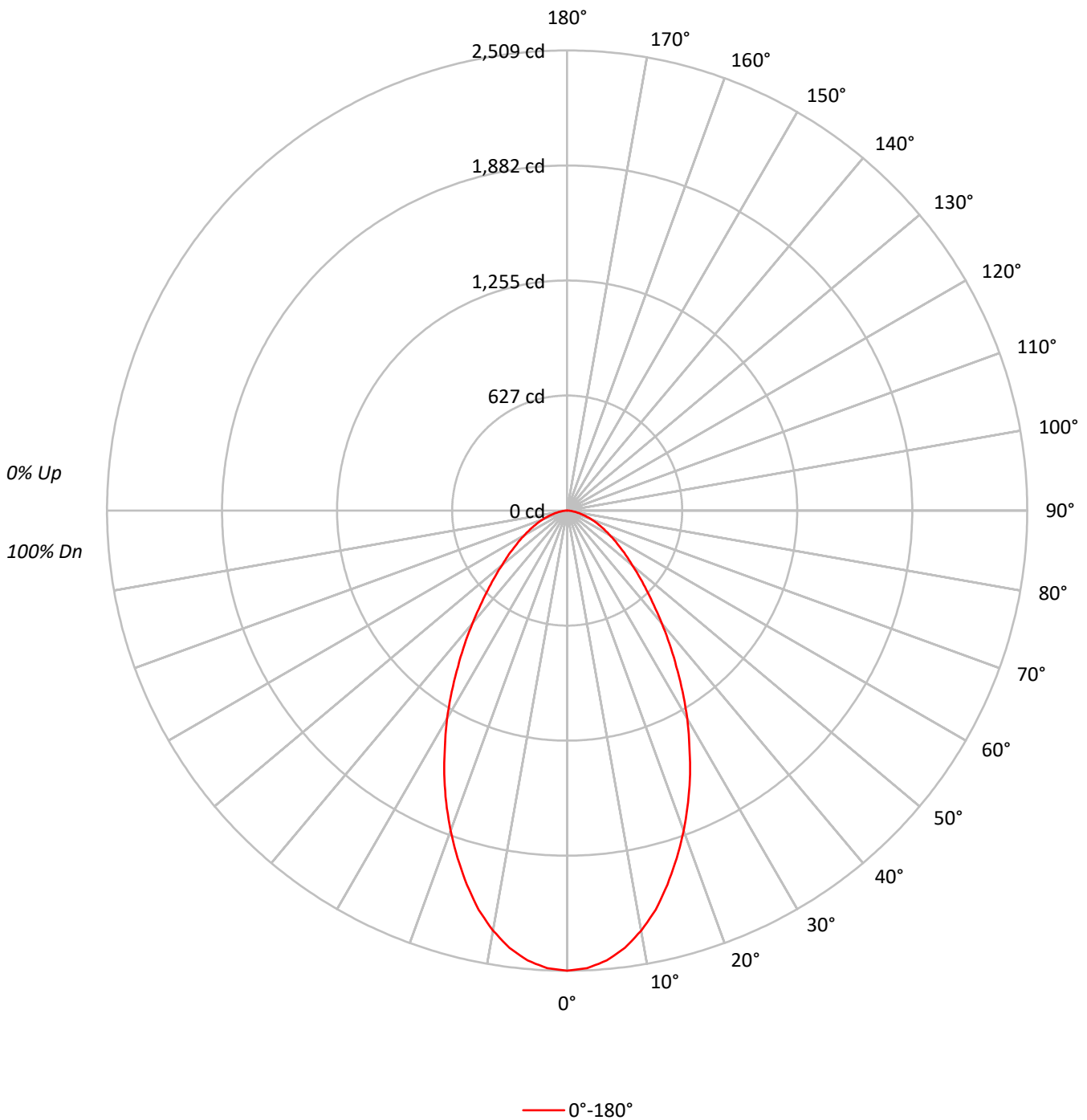
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179628
5°	177015
10°	169064
15°	156506
20°	141513
25°	125284
30°	108210
35°	90688
40°	75009
45°	61911
50°	51720
55°	44366
60°	38579
65°	33987
70°	29602
75°	24843
80°	20493
85°	15691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	7.0
10°-20°	589.8	17.8
20°-30°	725.5	21.9
30°-40°	650.5	19.6
40°-50°	476.1	14.4
50°-60°	321.9	9.7
60°-70°	200.0	6.0
70°-80°	96.7	2.9
80°-90°	22.9	0.7
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°	1546.0	46.7
0°-40°	2196.5	66.3
0°-60°	2994.5	90.4
0°-90°	3314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3314.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2509	
5°	2463	231
15°	2111	590
25°	1586	726
35°	1038	650
45°	611	476
55°	355	322
65°	201	200
75°	90	97
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2508.7
2.5°	2497.2
5°	2462.8
7.5°	2405.5
10°	2325.3
12.5°	2229.7
15°	2111.3
17.5°	1987.1
20°	1857.2
22.5°	1723.4
25°	1585.8
27.5°	1442.5
30°	1308.8
32.5°	1171.2
35°	1037.5
37.5°	917.1
40°	802.5
42.5°	699.3
45°	611.4
47.5°	533.1
50°	464.3
52.5°	408.9
55°	355.4
57.5°	311.4
60°	269.4
62.5°	233.1
65°	200.6
67.5°	170.0
70°	141.4
72.5°	114.6
75°	89.8
77.5°	66.9
80°	49.7
82.5°	32.5
85°	19.1
87.5°	7.6
90°	0.0

(END OF REPORT)