

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: P366479

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

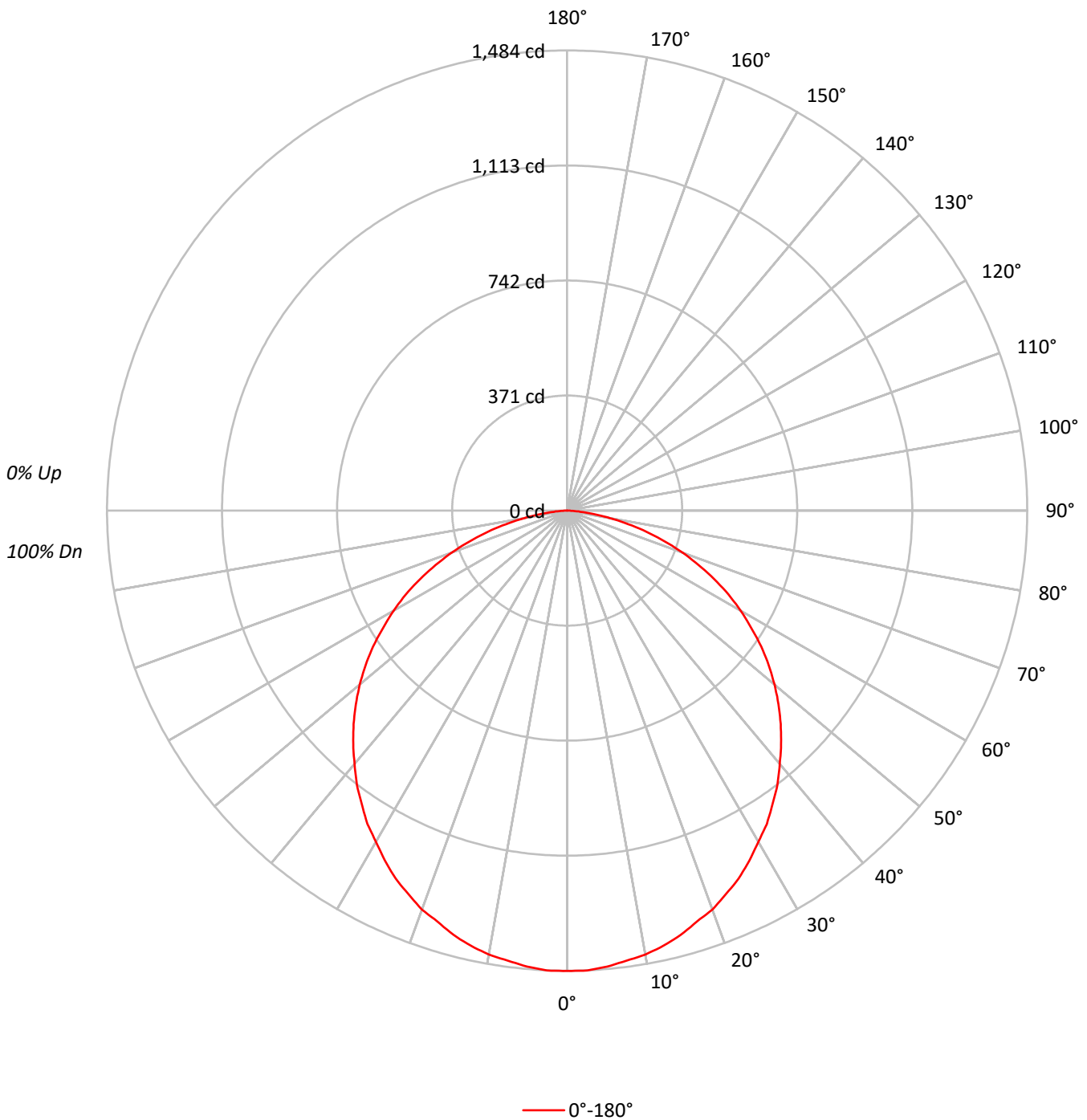
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40550
5°	40480
10°	40321
15°	40060
20°	39800
25°	39467
30°	38899
35°	38518
40°	38032
45°	37621
50°	37098
55°	36379
60°	35319
65°	33803
70°	31570
75°	28031
80°	22353
85°	13539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	3.4
10°-20°	399.5	9.6
20°-30°	602.4	14.5
30°-40°	723.1	17.4
40°-50°	751.0	18.1
50°-60°	681.5	16.4
60°-70°	517.0	12.4
70°-80°	280.8	6.8
80°-90°	58.5	1.4
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°	1142.0	27.5
0°-40°	1865.1	44.9
0°-60°	3297.7	79.4
0°-90°	4154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4154.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1484	
5°	1476	140
15°	1417	399
25°	1310	602
35°	1155	723
45°	974	751
55°	764	682
65°	523	517
75°	266	281
85°	43	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1484.5
2.5°	1484.5
5°	1476.3
7.5°	1464.0
10°	1453.7
12.5°	1437.2
15°	1416.6
17.5°	1389.8
20°	1369.2
22.5°	1338.4
25°	1309.5
27.5°	1272.5
30°	1233.3
32.5°	1198.3
35°	1155.1
37.5°	1113.9
40°	1066.6
42.5°	1021.3
45°	973.9
47.5°	924.5
50°	873.0
52.5°	819.5
55°	763.9
57.5°	704.2
60°	646.5
62.5°	586.8
65°	523.0
67.5°	459.2
70°	395.3
72.5°	329.4
75°	265.6
77.5°	201.8
80°	142.1
82.5°	88.5
85°	43.2
87.5°	12.4
90°	0.0

(END OF REPORT)