

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: P366461

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366461
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-FEU6B67-8035-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: 4110.0 lumens
Efficiency: N/A
Efficacy: 70.7 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

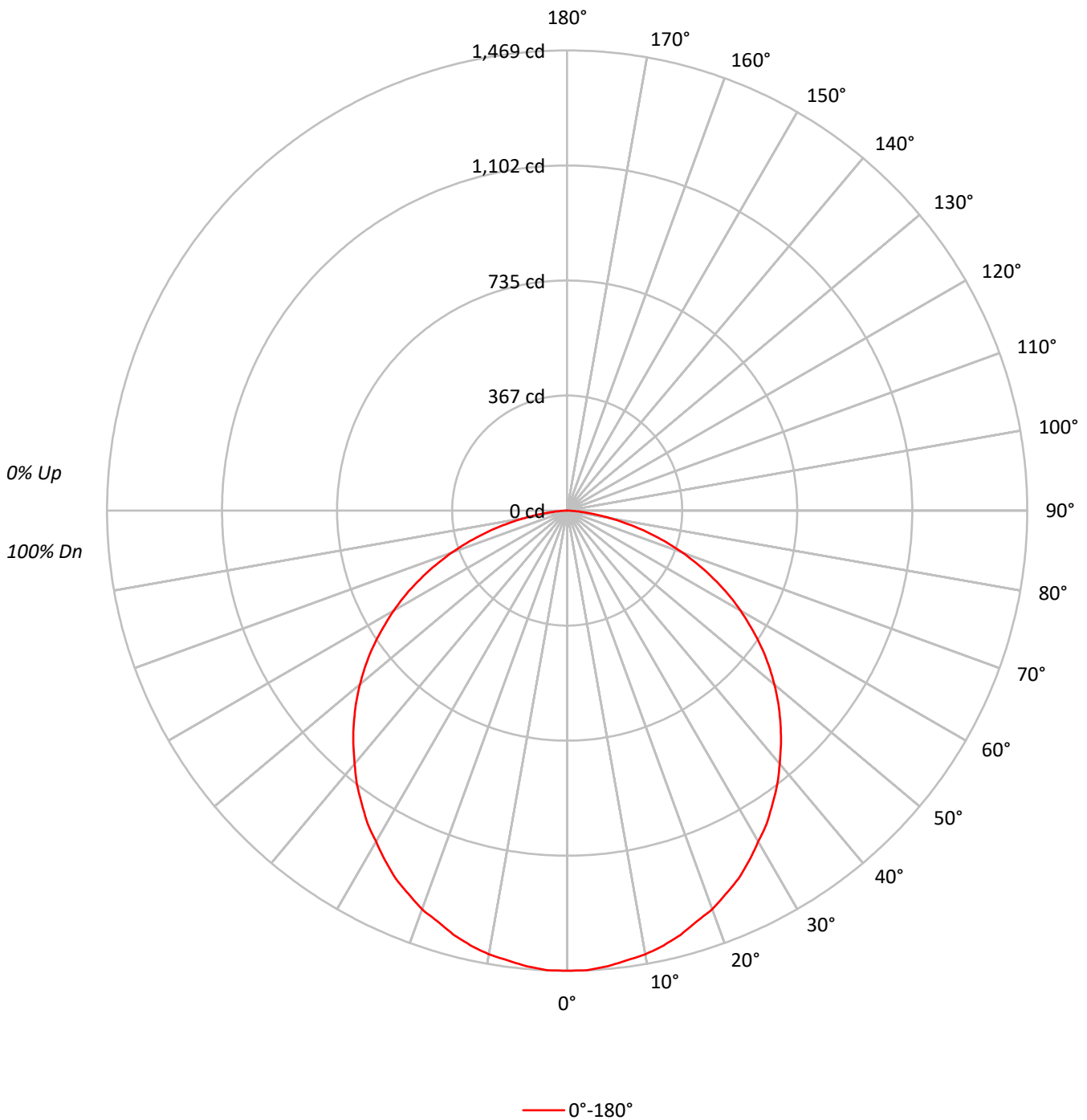
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40121
5°	40052
10°	39894
15°	39636
20°	39379
25°	39051
30°	38489
35°	38111
40°	37629
45°	37224
50°	36707
55°	35993
60°	34947
65°	33441
70°	31235
75°	27735
80°	22117
85°	13414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	3.4
10°-20°	395.2	9.6
20°-30°	596.0	14.5
30°-40°	715.5	17.4
40°-50°	743.1	18.1
50°-60°	674.3	16.4
60°-70°	511.5	12.4
70°-80°	277.9	6.8
80°-90°	57.9	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°	1129.9	27.5
0°-40°	1845.4	44.9
0°-60°	3262.8	79.4
0°-90°	4110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4110.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1469	
5°	1461	139
15°	1402	395
25°	1296	596
35°	1143	715
45°	964	743
55°	756	674
65°	517	512
75°	263	278
85°	43	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1468.8
2.5°	1468.8
5°	1460.7
7.5°	1448.5
10°	1438.3
12.5°	1422.0
15°	1401.6
17.5°	1375.1
20°	1354.7
22.5°	1324.2
25°	1295.7
27.5°	1259.0
30°	1220.3
32.5°	1185.7
35°	1142.9
37.5°	1102.1
40°	1055.3
42.5°	1010.5
45°	963.6
47.5°	914.7
50°	863.8
52.5°	810.8
55°	755.8
57.5°	696.7
60°	639.7
62.5°	580.6
65°	517.4
67.5°	454.3
70°	391.1
72.5°	326.0
75°	262.8
77.5°	199.6
80°	140.6
82.5°	87.6
85°	42.8
87.5°	12.2
90°	0.0

(END OF REPORT)