

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: P365021

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
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-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4202.0 lumens
Efficiency: N/A
Efficacy: 72.3 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

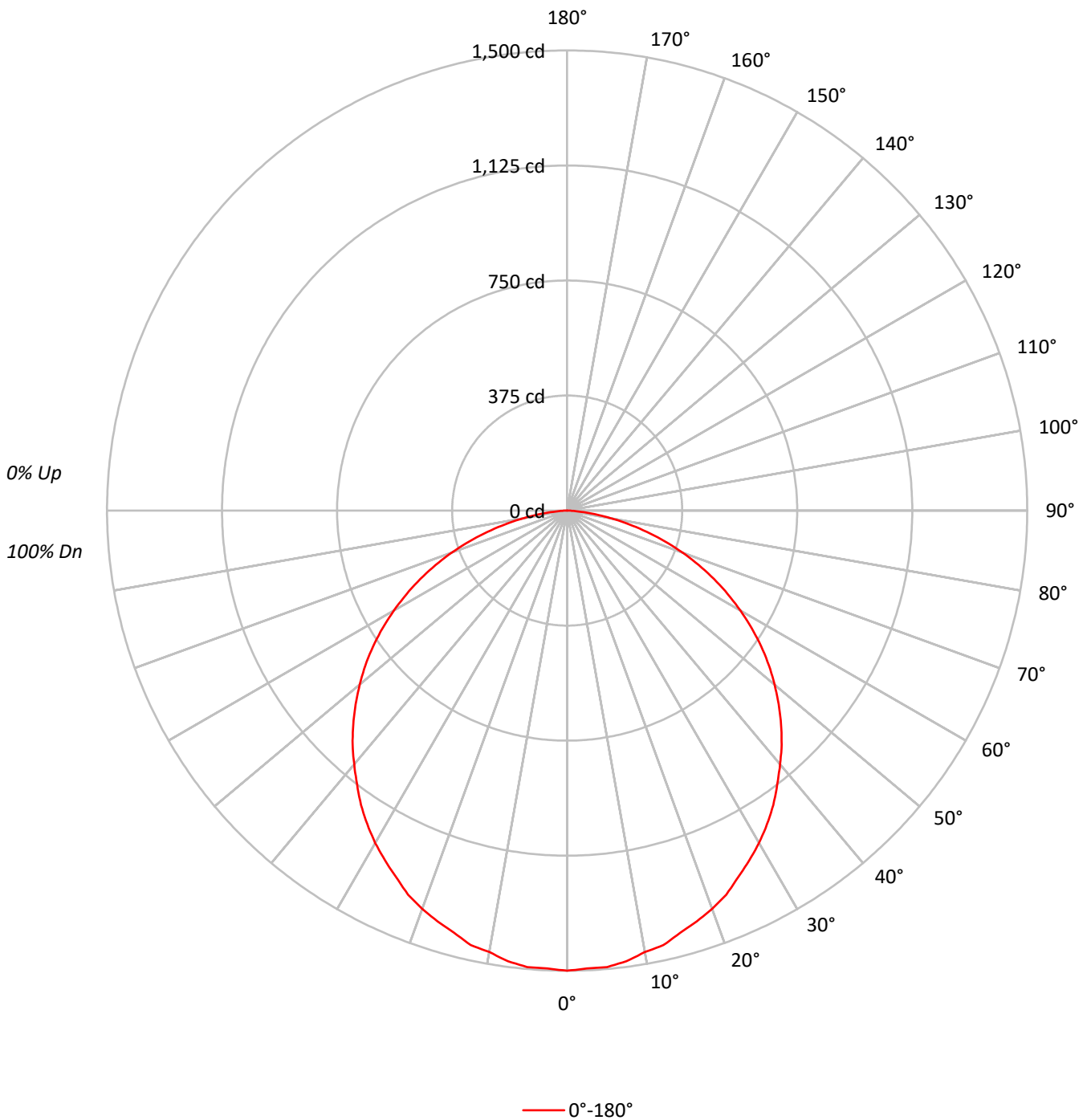
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	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	34	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°	40967
5°	40957
10°	40526
15°	40280
20°	40161
25°	39735
30°	39464
35°	39071
40°	38510
45°	38100
50°	37498
55°	36779
60°	35625
65°	34114
70°	31898
75°	28390
80°	22762
85°	14041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.4
10°-20°	402.8	9.6
20°-30°	608.7	14.5
30°-40°	732.0	17.4
40°-50°	760.3	18.1
50°-60°	689.3	16.4
60°-70°	521.8	12.4
70°-80°	284.9	6.8
80°-90°	60.7	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°	1152.9	27.4
0°-40°	1885.0	44.9
0°-60°	3334.6	79.4
0°-90°	4202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4202.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1500	
5°	1494	141
15°	1424	403
25°	1318	609
35°	1172	732
45°	986	760
55°	772	689
65°	528	522
75°	269	285
85°	45	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1499.8
2.5°	1493.7
5°	1493.7
7.5°	1481.5
10°	1461.1
12.5°	1450.9
15°	1424.4
17.5°	1404.0
20°	1381.6
22.5°	1355.1
25°	1318.4
27.5°	1285.8
30°	1251.2
32.5°	1212.5
35°	1171.7
37.5°	1124.9
40°	1080.0
42.5°	1035.2
45°	986.3
47.5°	935.3
50°	882.4
52.5°	829.4
55°	772.3
57.5°	713.2
60°	652.1
62.5°	591.0
65°	527.8
67.5°	464.6
70°	399.4
72.5°	334.2
75°	269.0
77.5°	205.8
80°	144.7
82.5°	91.7
85°	44.8
87.5°	14.3
90°	0.0

(END OF REPORT)