

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: P365055

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2421.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

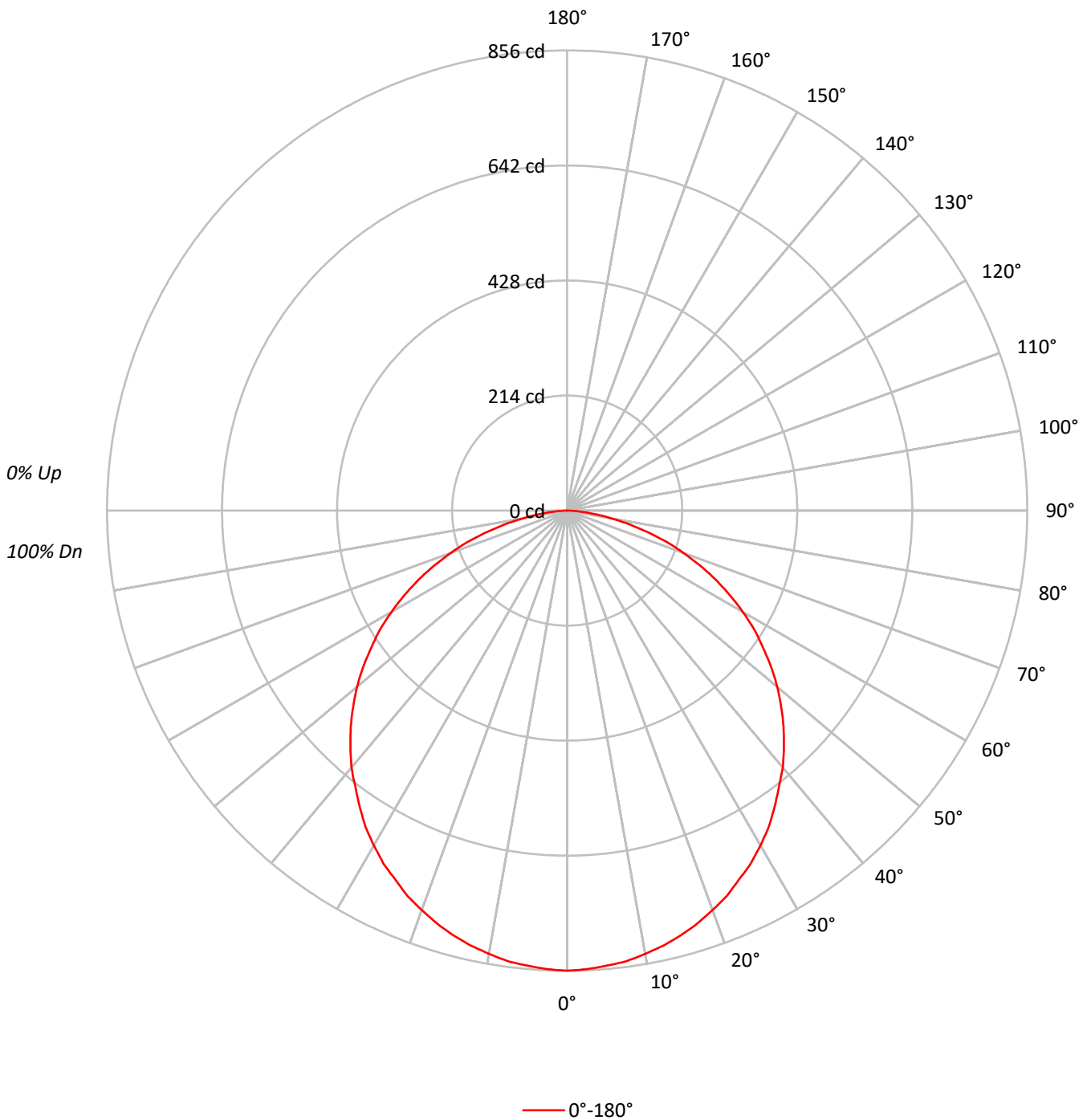
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23382
5°	23298
10°	23218
15°	23135
20°	22984
25°	22812
30°	22678
35°	22428
40°	22254
45°	21992
50°	21681
55°	21187
60°	20618
65°	19758
70°	18353
75°	16242
80°	13261
85°	8587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.3
10°-20°	230.8	9.5
20°-30°	349.4	14.4
30°-40°	421.2	17.4
40°-50°	438.9	18.1
50°-60°	398.2	16.4
60°-70°	301.5	12.5
70°-80°	164.2	6.8
80°-90°	36.1	1.5
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°	660.9	27.3
0°-40°	1082.1	44.7
0°-60°	1919.2	79.3
0°-90°	2421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	856	
5°	850	81
15°	818	231
25°	757	349
35°	673	421
45°	569	439
55°	445	398
65°	306	301
75°	154	164
85°	27	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	856.0
2.5°	853.9
5°	849.7
7.5°	845.5
10°	837.1
12.5°	828.6
15°	818.1
17.5°	805.4
20°	790.7
22.5°	775.9
25°	756.9
27.5°	740.1
30°	719.0
32.5°	697.9
35°	672.6
37.5°	647.3
40°	624.1
42.5°	596.7
45°	569.3
47.5°	539.8
50°	510.2
52.5°	478.6
55°	444.9
57.5°	413.3
60°	377.4
62.5°	341.6
65°	305.7
67.5°	267.8
70°	229.8
72.5°	194.0
75°	153.9
77.5°	118.1
80°	84.3
82.5°	52.7
85°	27.4
87.5°	10.5
90°	0.0

(END OF REPORT)