

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: P365001

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365001
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-FEU6B67-8030-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: 2293.0 lumens
Efficiency: N/A
Efficacy: 39.5 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

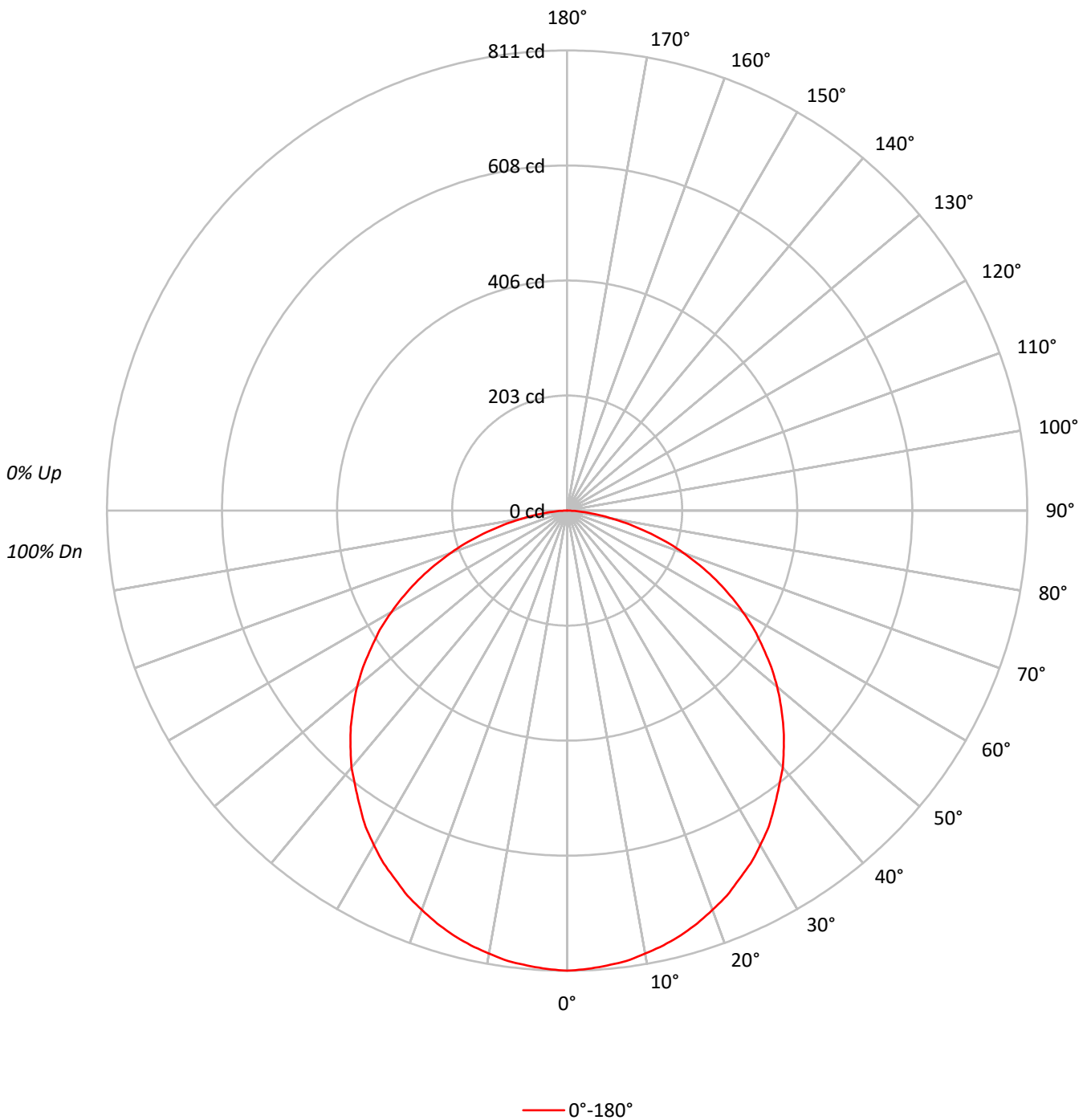
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	22147
5°	22067
10°	21990
15°	21910
20°	21769
25°	21607
30°	21479
35°	21241
40°	21077
45°	20829
50°	20538
55°	20068
60°	19530
65°	18718
70°	17387
75°	15387
80°	12568
85°	8149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	3.3
10°-20°	218.6	9.5
20°-30°	330.9	14.4
30°-40°	398.9	17.4
40°-50°	415.6	18.1
50°-60°	377.2	16.4
60°-70°	285.6	12.5
70°-80°	155.5	6.8
80°-90°	34.2	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°	626.0	27.3
0°-40°	1024.9	44.7
0°-60°	1817.7	79.3
0°-90°	2293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	811	
5°	805	76
15°	775	219
25°	717	331
35°	637	399
45°	539	416
55°	421	377
65°	290	286
75°	146	156
85°	26	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	810.8
2.5°	808.8
5°	804.8
7.5°	800.8
10°	792.8
12.5°	784.8
15°	774.8
17.5°	762.8
20°	748.9
22.5°	734.9
25°	716.9
27.5°	700.9
30°	681.0
32.5°	661.0
35°	637.0
37.5°	613.1
40°	591.1
42.5°	565.1
45°	539.2
47.5°	511.2
50°	483.3
52.5°	453.3
55°	421.4
57.5°	391.4
60°	357.5
62.5°	323.5
65°	289.6
67.5°	253.6
70°	217.7
72.5°	183.7
75°	145.8
77.5°	111.8
80°	79.9
82.5°	49.9
85°	26.0
87.5°	10.0
90°	0.0

(END OF REPORT)