

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: P364985

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364985
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-FEU6B67-8027-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: 3940.0 lumens
Efficiency: N/A
Efficacy: 67.8 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

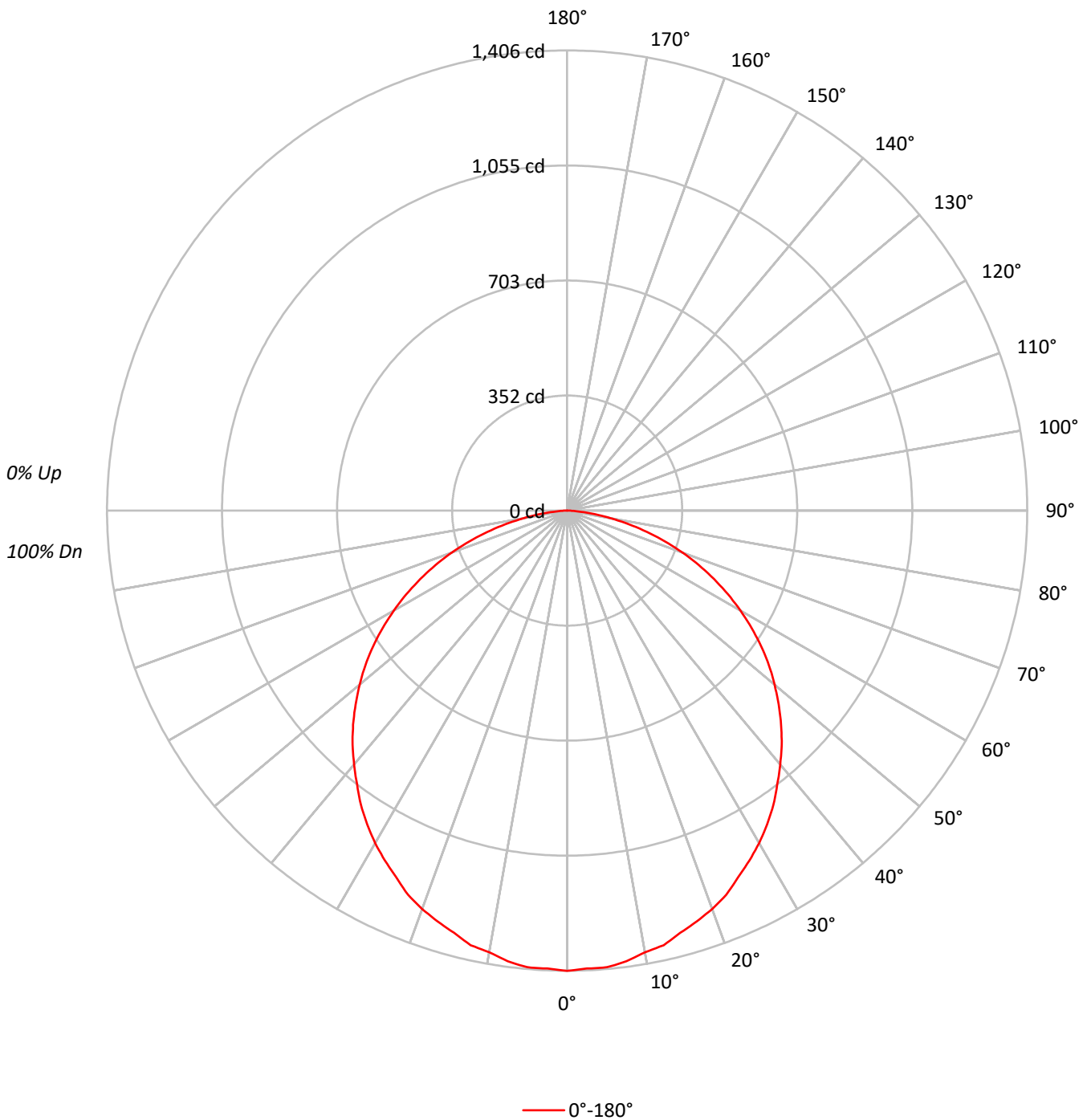
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38413
5°	38404
10°	37999
15°	37769
20°	37658
25°	37258
30°	37004
35°	36637
40°	36110
45°	35725
50°	35156
55°	34488
60°	33401
65°	31987
70°	29909
75°	26617
80°	21346
85°	13163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	3.4
10°-20°	377.6	9.6
20°-30°	570.7	14.5
30°-40°	686.4	17.4
40°-50°	712.9	18.1
50°-60°	646.4	16.4
60°-70°	489.2	12.4
70°-80°	267.2	6.8
80°-90°	56.9	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°	1081.0	27.4
0°-40°	1767.5	44.9
0°-60°	3126.7	79.4
0°-90°	3940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1406	
5°	1401	133
15°	1336	378
25°	1236	571
35°	1099	686
45°	925	713
55°	724	646
65°	495	489
75°	252	267
85°	42	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1406.3
2.5°	1400.6
5°	1400.6
7.5°	1389.1
10°	1370.0
12.5°	1360.4
15°	1335.6
17.5°	1316.5
20°	1295.5
22.5°	1270.6
25°	1236.2
27.5°	1205.7
30°	1173.2
32.5°	1136.9
35°	1098.7
37.5°	1054.7
40°	1012.7
42.5°	970.6
45°	924.8
47.5°	877.0
50°	827.3
52.5°	777.7
55°	724.2
57.5°	668.8
60°	611.4
62.5°	554.1
65°	494.9
67.5°	435.6
70°	374.5
72.5°	313.4
75°	252.2
77.5°	193.0
80°	135.7
82.5°	86.0
85°	42.0
87.5°	13.4
90°	0.0

(END OF REPORT)