

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: P366443

Luminaire Tested: **FLD6BX60D010TE-FEUG6B67-8030-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366443
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-FEU6B67-8030-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: 4029.0 lumens
Efficiency: N/A
Efficacy: 69.3 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

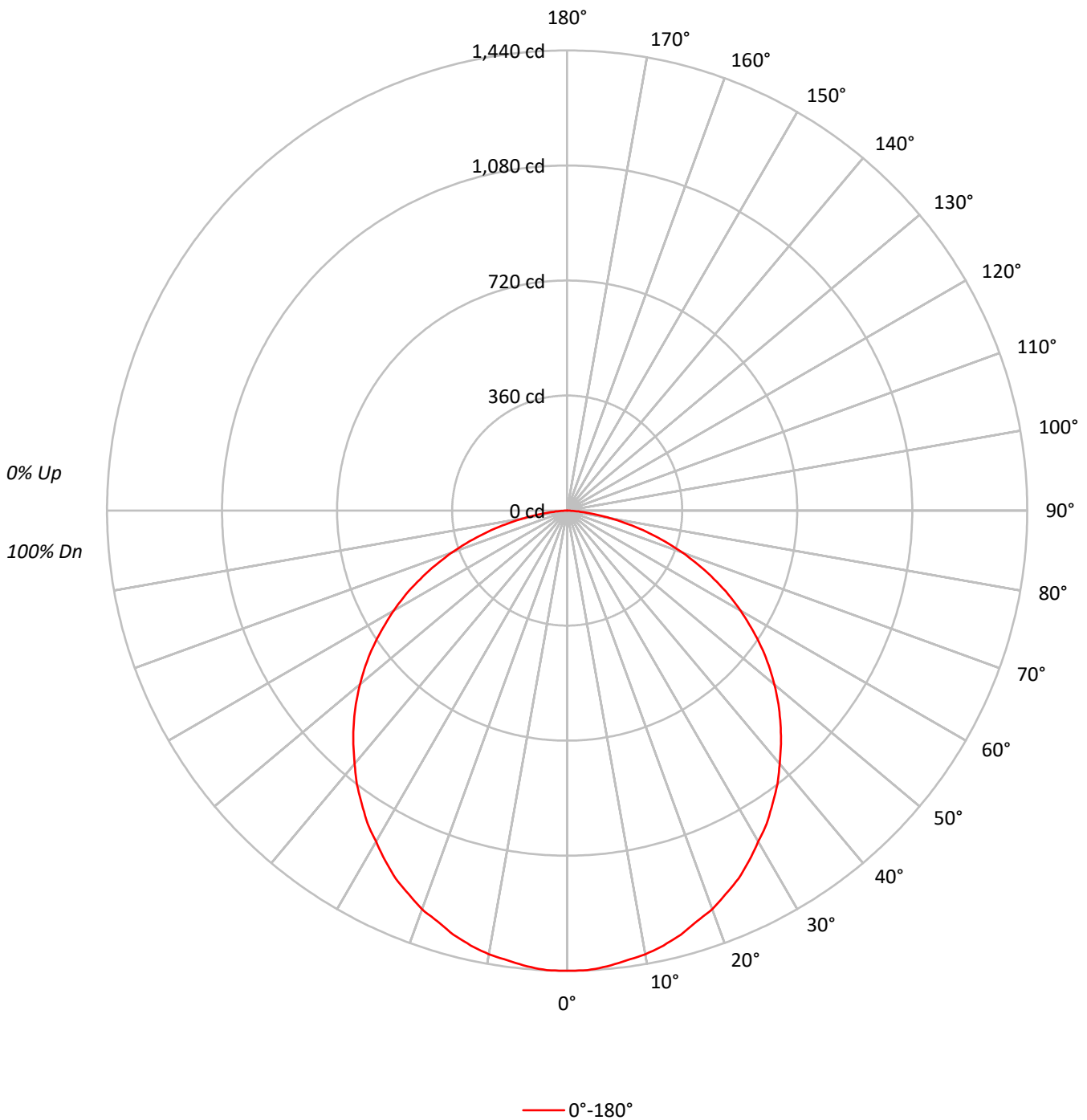
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	39331
5°	39262
10°	39106
15°	38855
20°	38603
25°	38280
30°	37729
35°	37357
40°	36888
45°	36490
50°	35985
55°	35284
60°	34259
65°	32789
70°	30620
75°	27187
80°	21676
85°	13132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	3.4
10°-20°	387.5	9.6
20°-30°	584.3	14.5
30°-40°	701.3	17.4
40°-50°	728.4	18.1
50°-60°	661.0	16.4
60°-70°	501.5	12.4
70°-80°	272.4	6.8
80°-90°	56.7	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°	1107.7	27.5
0°-40°	1809.0	44.9
0°-60°	3198.4	79.4
0°-90°	4029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4029.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1440	
5°	1432	136
15°	1374	387
25°	1270	584
35°	1120	701
45°	945	728
55°	741	661
65°	507	501
75°	258	272
85°	42	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1439.9
2.5°	1439.9
5°	1431.9
7.5°	1419.9
10°	1409.9
12.5°	1393.9
15°	1374.0
17.5°	1348.0
20°	1328.0
22.5°	1298.1
25°	1270.1
27.5°	1234.2
30°	1196.2
32.5°	1162.3
35°	1120.3
37.5°	1080.4
40°	1034.5
42.5°	990.5
45°	944.6
47.5°	896.7
50°	846.8
52.5°	794.8
55°	740.9
57.5°	683.0
60°	627.1
62.5°	569.2
65°	507.3
67.5°	445.3
70°	383.4
72.5°	319.5
75°	257.6
77.5°	195.7
80°	137.8
82.5°	85.9
85°	41.9
87.5°	12.0
90°	0.0

(END OF REPORT)