

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: P366497

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366497
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-FEU6B67-8050-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: 4254.0 lumens
Efficiency: N/A
Efficacy: 73.2 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

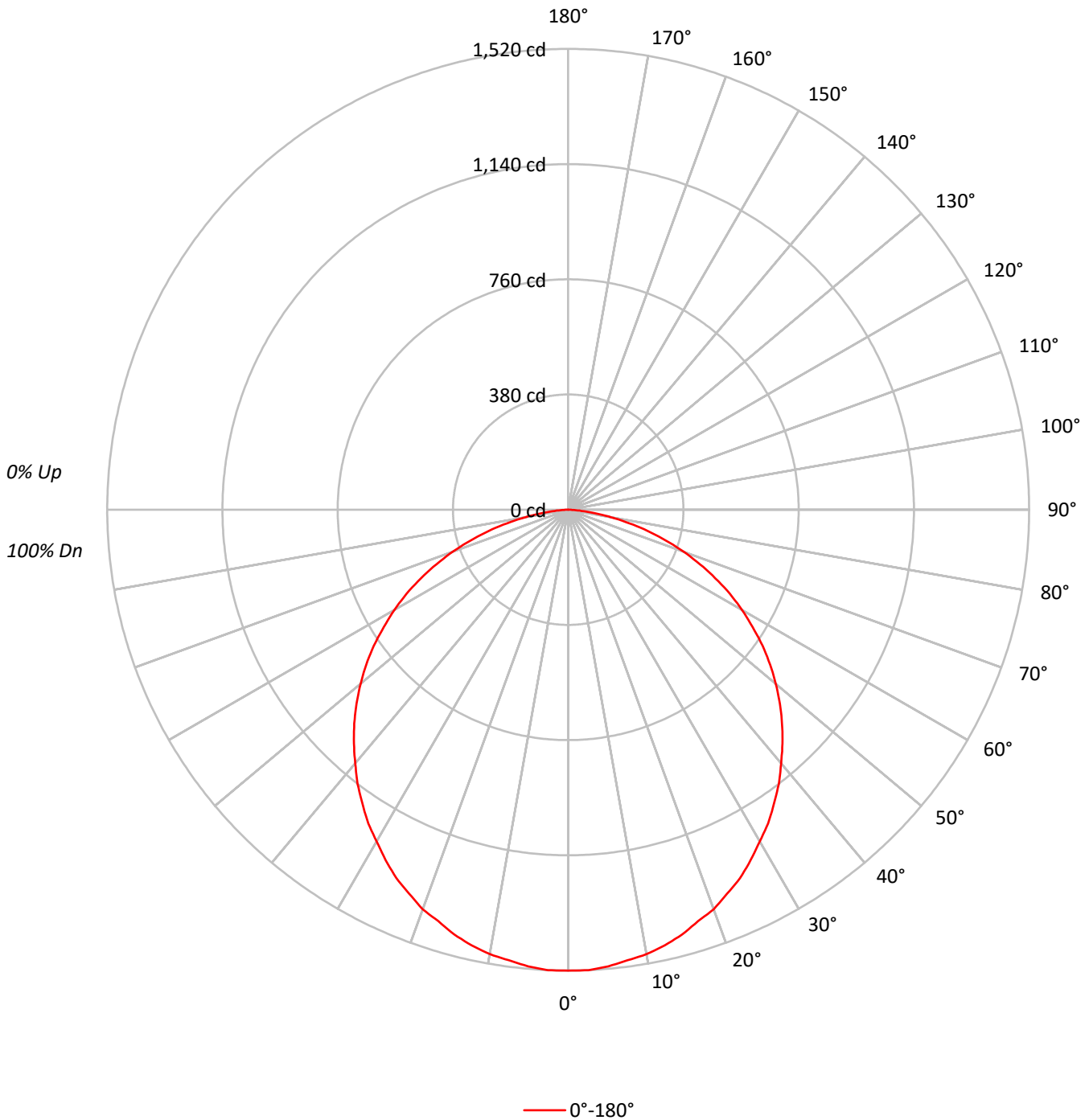
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41527
5°	41456
10°	41292
15°	41024
20°	40760
25°	40419
30°	39836
35°	39445
40°	38945
45°	38529
50°	37991
55°	37255
60°	36171
65°	34618
70°	32329
75°	28706
80°	22887
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	3.4
10°-20°	409.1	9.6
20°-30°	616.9	14.5
30°-40°	740.5	17.4
40°-50°	769.1	18.1
50°-60°	697.9	16.4
60°-70°	529.5	12.4
70°-80°	287.6	6.8
80°-90°	59.9	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°	1169.5	27.5
0°-40°	1910.0	44.9
0°-60°	3377.0	79.4
0°-90°	4254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4254.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1520	
5°	1512	144
15°	1451	409
25°	1341	617
35°	1183	740
45°	997	769
55°	782	698
65°	536	529
75°	272	288
85°	44	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1520.3
2.5°	1520.3
5°	1511.9
7.5°	1499.2
10°	1488.7
12.5°	1471.8
15°	1450.7
17.5°	1423.3
20°	1402.2
22.5°	1370.6
25°	1341.1
27.5°	1303.1
30°	1263.0
32.5°	1227.2
35°	1182.9
37.5°	1140.7
40°	1092.2
42.5°	1045.9
45°	997.4
47.5°	946.8
50°	894.0
52.5°	839.2
55°	782.3
57.5°	721.1
60°	662.1
62.5°	600.9
65°	535.6
67.5°	470.2
70°	404.8
72.5°	337.4
75°	272.0
77.5°	206.6
80°	145.5
82.5°	90.7
85°	44.3
87.5°	12.7
90°	0.0

(END OF REPORT)