

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: P365777

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3803.0 lumens
Efficiency: N/A
Efficacy: 65.5 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

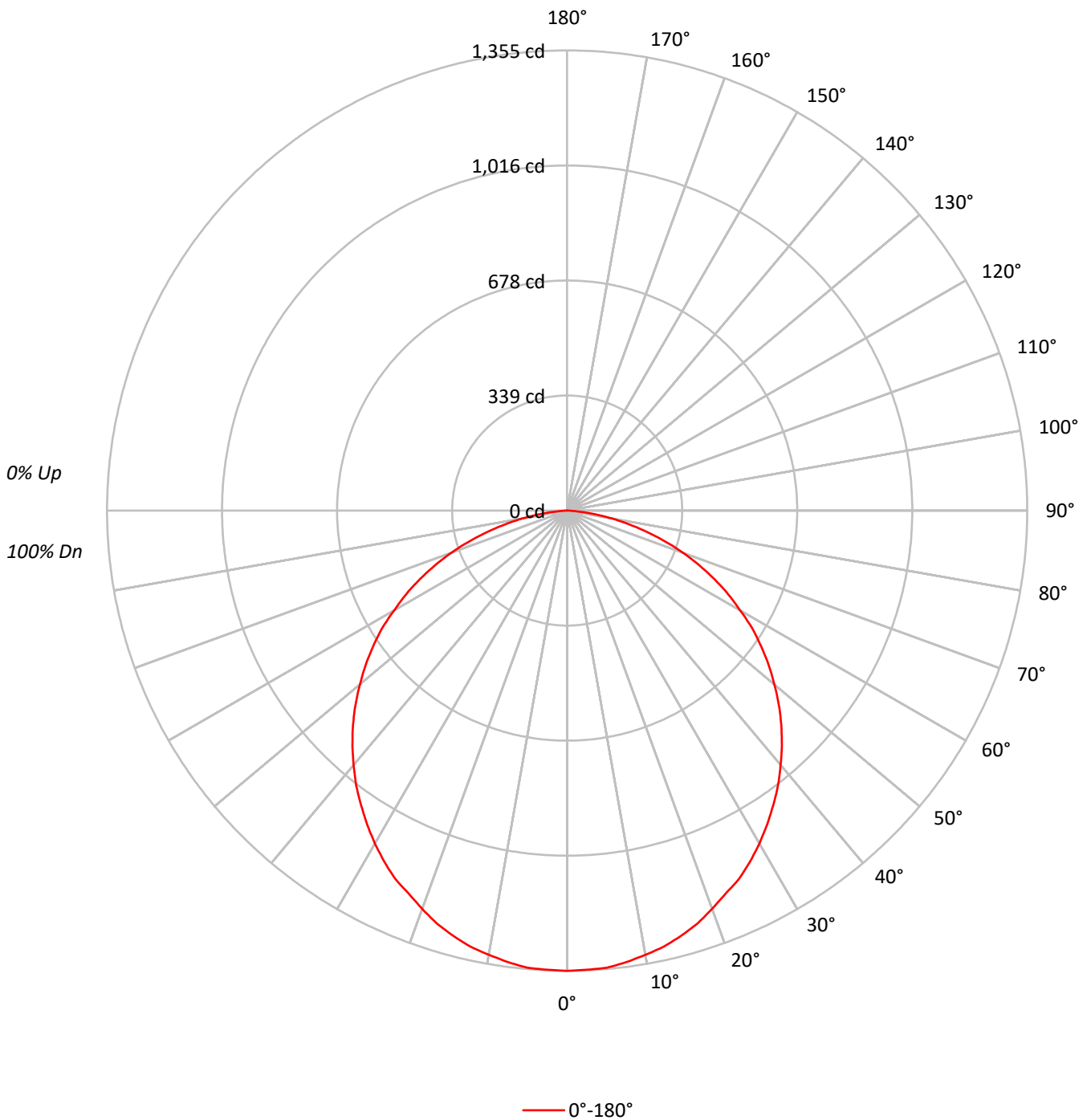
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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°	37023
5°	37049
10°	36834
15°	36661
20°	36274
25°	36085
30°	35704
35°	35287
40°	34877
45°	34446
50°	33860
55°	33226
60°	32128
65°	30927
70°	28959
75°	25804
80°	20890
85°	12568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	3.4
10°-20°	365.6	9.6
20°-30°	550.8	14.5
30°-40°	662.4	17.4
40°-50°	687.4	18.1
50°-60°	623.0	16.4
60°-70°	472.8	12.4
70°-80°	258.6	6.8
80°-90°	54.1	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°	1044.6	27.5
0°-40°	1707.0	44.9
0°-60°	3017.4	79.3
0°-90°	3803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3803.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1355	
5°	1351	128
15°	1296	366
25°	1197	551
35°	1058	662
45°	892	687
55°	698	623
65°	478	473
75°	244	259
85°	40	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1355.4
2.5°	1353.3
5°	1351.2
7.5°	1340.7
10°	1328.0
12.5°	1315.4
15°	1296.4
17.5°	1275.3
20°	1247.9
22.5°	1220.5
25°	1197.3
27.5°	1165.7
30°	1132.0
32.5°	1096.2
35°	1058.2
37.5°	1020.3
40°	978.1
42.5°	936.0
45°	891.7
47.5°	845.3
50°	796.8
52.5°	748.3
55°	697.7
57.5°	647.2
60°	588.1
62.5°	535.4
65°	478.5
67.5°	421.6
70°	362.6
72.5°	303.6
75°	244.5
77.5°	185.5
80°	132.8
82.5°	82.2
85°	40.1
87.5°	10.5
90°	0.0

(END OF REPORT)