

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: P365579

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365579
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: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2559.0 lumens
Efficiency: N/A
Efficacy: 63.0 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

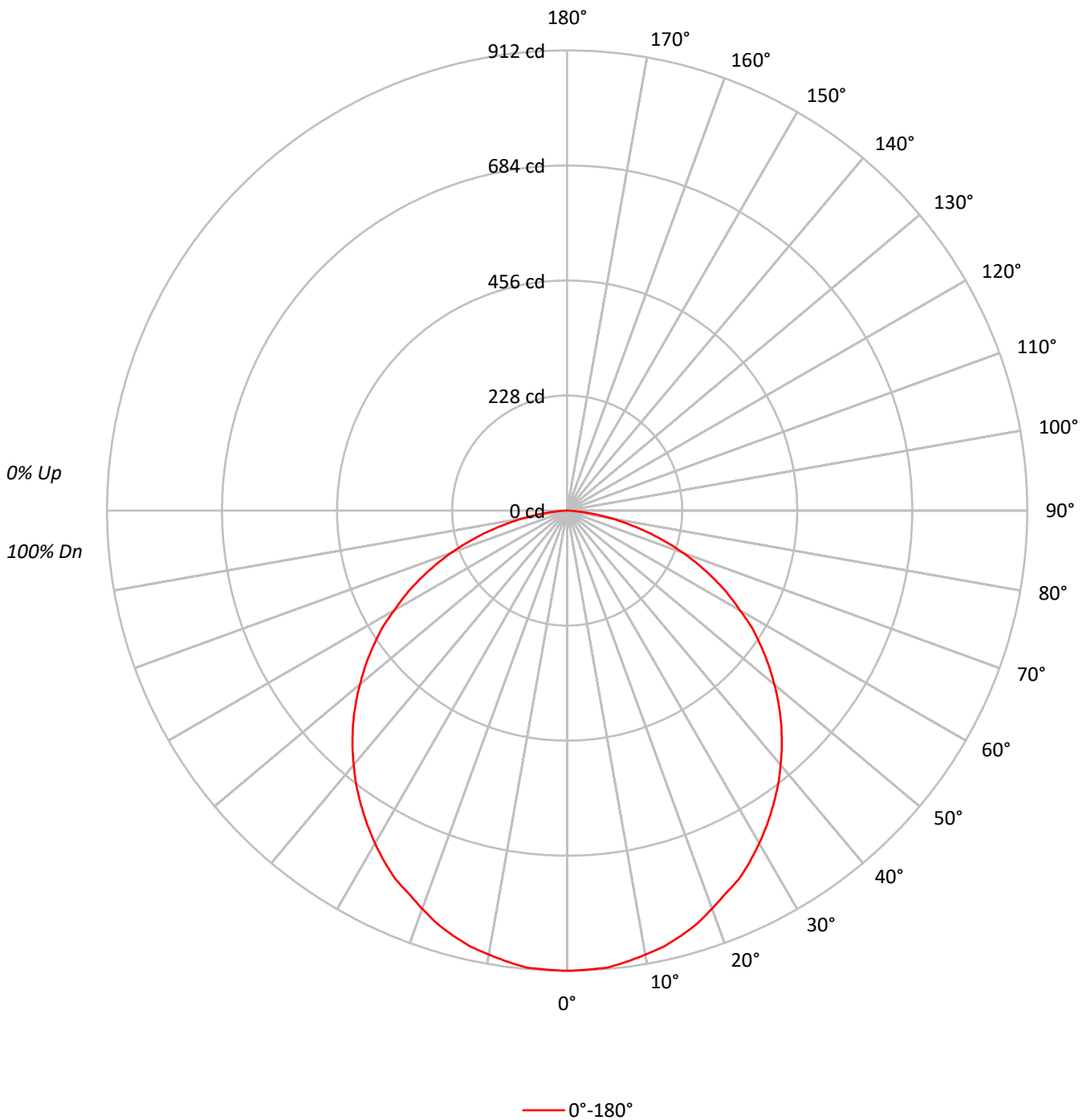
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24914
5°	24930
10°	24785
15°	24668
20°	24409
25°	24283
30°	24025
35°	23746
40°	23470
45°	23178
50°	22786
55°	22359
60°	21617
65°	20812
70°	19487
75°	17361
80°	14063
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.4
10°-20°	246.0	9.6
20°-30°	370.7	14.5
30°-40°	445.7	17.4
40°-50°	462.6	18.1
50°-60°	419.2	16.4
60°-70°	318.1	12.4
70°-80°	174.0	6.8
80°-90°	36.5	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°	702.9	27.5
0°-40°	1148.6	44.9
0°-60°	2030.4	79.3
0°-90°	2559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2559.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	912	
5°	909	86
15°	872	246
25°	806	371
35°	712	446
45°	600	463
55°	470	419
65°	322	318
75°	164	174
85°	27	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	912.1
2.5°	910.6
5°	909.2
7.5°	902.1
10°	893.6
12.5°	885.1
15°	872.3
17.5°	858.2
20°	839.7
22.5°	821.3
25°	805.7
27.5°	784.4
30°	761.7
32.5°	737.6
35°	712.1
37.5°	686.5
40°	658.2
42.5°	629.8
45°	600.0
47.5°	568.8
50°	536.2
52.5°	503.5
55°	469.5
57.5°	435.5
60°	395.7
62.5°	360.3
65°	322.0
67.5°	283.7
70°	244.0
72.5°	204.3
75°	164.5
77.5°	124.8
80°	89.4
82.5°	55.3
85°	27.0
87.5°	7.1
90°	0.0

(END OF REPORT)