

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: P366299

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366299
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: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2863.0 lumens
Efficiency: N/A
Efficacy: 70.5 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

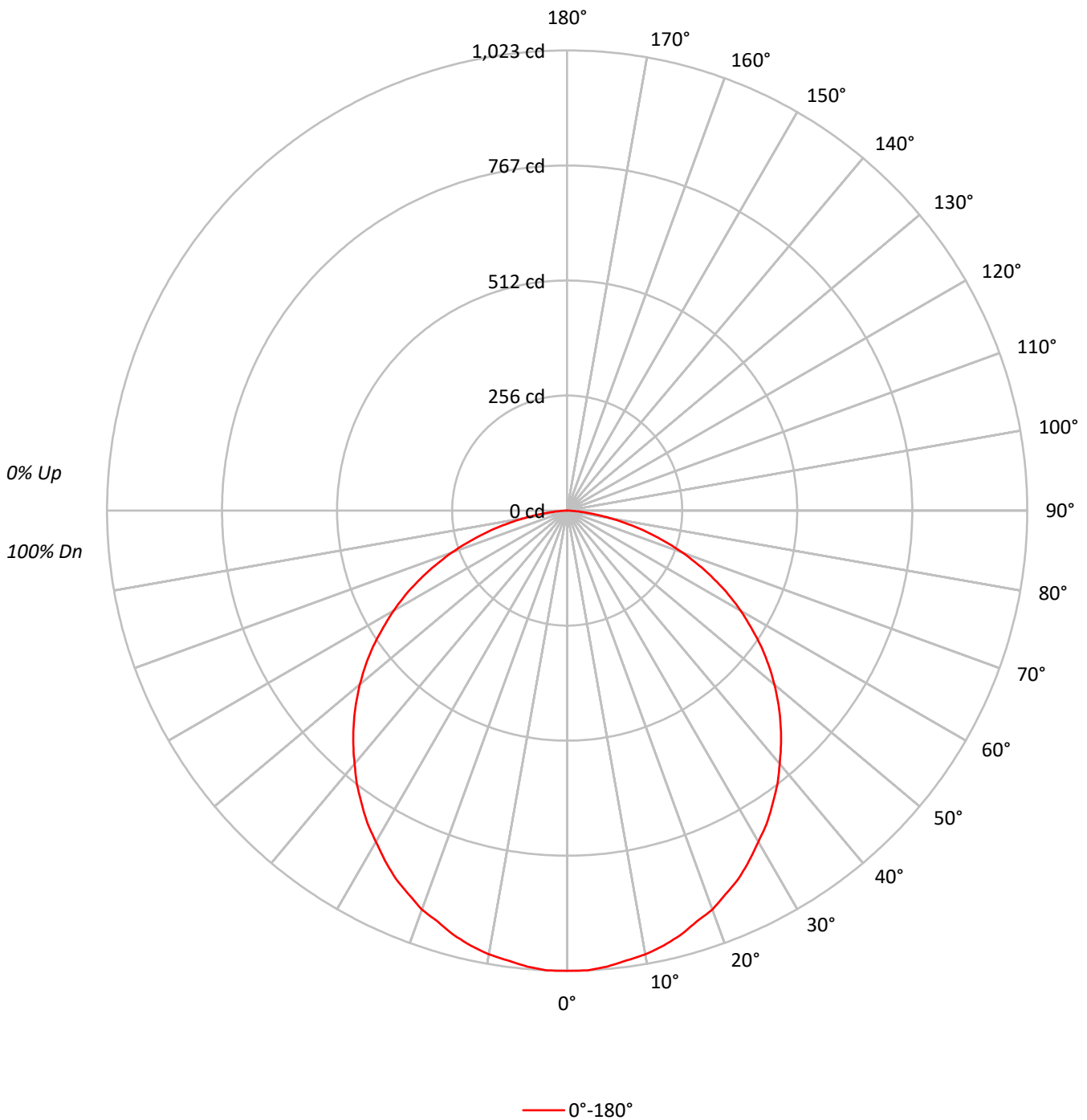
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	27949
5°	27899
10°	27789
15°	27609
20°	27432
25°	27201
30°	26810
35°	26547
40°	26212
45°	25928
50°	25569
55°	25073
60°	24343
65°	23300
70°	21763
75°	19324
80°	15400
85°	9340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	3.4
10°-20°	275.3	9.6
20°-30°	415.2	14.5
30°-40°	498.4	17.4
40°-50°	517.6	18.1
50°-60°	469.7	16.4
60°-70°	356.4	12.4
70°-80°	193.6	6.8
80°-90°	40.3	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°	787.1	27.5
0°-40°	1285.4	44.9
0°-60°	2272.8	79.4
0°-90°	2863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1023	
5°	1018	97
15°	976	275
25°	902	415
35°	796	498
45°	671	518
55°	526	470
65°	360	356
75°	183	194
85°	30	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1023.2
2.5°	1023.2
5°	1017.5
7.5°	1009.0
10°	1001.9
12.5°	990.5
15°	976.3
17.5°	957.9
20°	943.7
22.5°	922.4
25°	902.5
27.5°	877.0
30°	850.0
32.5°	825.9
35°	796.1
37.5°	767.7
40°	735.1
42.5°	703.9
45°	671.2
47.5°	637.2
50°	601.7
52.5°	564.8
55°	526.5
57.5°	485.3
60°	445.6
62.5°	404.4
65°	360.5
67.5°	316.5
70°	272.5
72.5°	227.1
75°	183.1
77.5°	139.1
80°	97.9
82.5°	61.0
85°	29.8
87.5°	8.5
90°	0.0

(END OF REPORT)