

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: P365597

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365597
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-FEU6B35-8050-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: 2621.0 lumens
Efficiency: N/A
Efficacy: 64.6 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

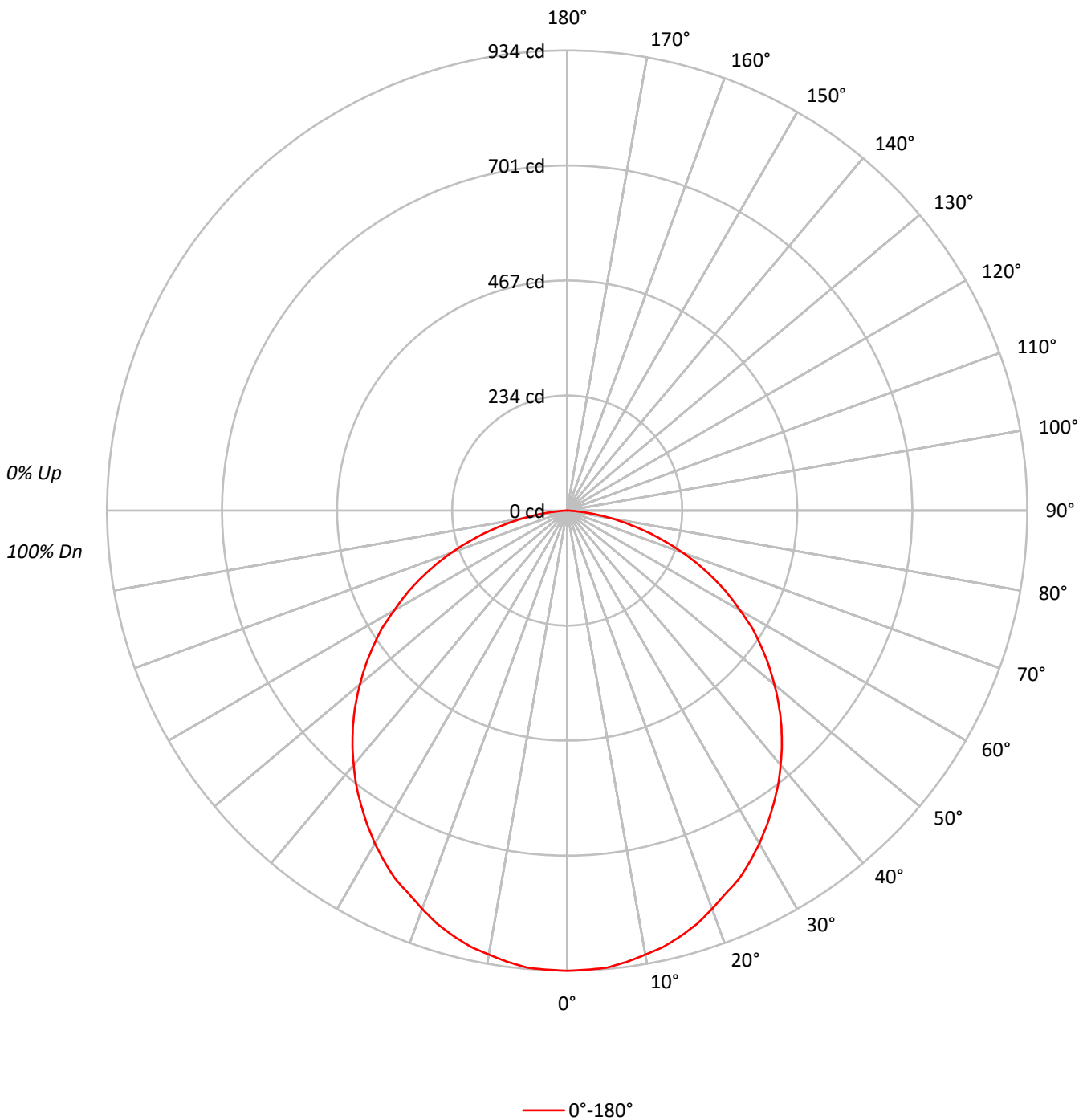
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25518
5°	25536
10°	25387
15°	25267
20°	25002
25°	24871
30°	24608
35°	24319
40°	24037
45°	23738
50°	23338
55°	22902
60°	22142
65°	21316
70°	19958
75°	17783
80°	14393
85°	8650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.4
10°-20°	252.0	9.6
20°-30°	379.6	14.5
30°-40°	456.5	17.4
40°-50°	473.8	18.1
50°-60°	429.4	16.4
60°-70°	325.8	12.4
70°-80°	178.2	6.8
80°-90°	37.3	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°	719.9	27.5
0°-40°	1176.5	44.9
0°-60°	2079.6	79.3
0°-90°	2621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	934	
5°	931	88
15°	894	252
25°	825	380
35°	729	457
45°	614	474
55°	481	429
65°	330	326
75°	168	178
85°	28	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	934.2
2.5°	932.7
5°	931.3
7.5°	924.0
10°	915.3
12.5°	906.6
15°	893.5
17.5°	879.0
20°	860.1
22.5°	841.2
25°	825.2
27.5°	803.4
30°	780.2
32.5°	755.5
35°	729.3
37.5°	703.2
40°	674.1
42.5°	645.1
45°	614.5
47.5°	582.6
50°	549.2
52.5°	515.7
55°	480.9
57.5°	446.0
60°	405.3
62.5°	369.0
65°	329.8
67.5°	290.6
70°	249.9
72.5°	209.2
75°	168.5
77.5°	127.8
80°	91.5
82.5°	56.7
85°	27.6
87.5°	7.3
90°	0.0

(END OF REPORT)