

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: P365542

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3336.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

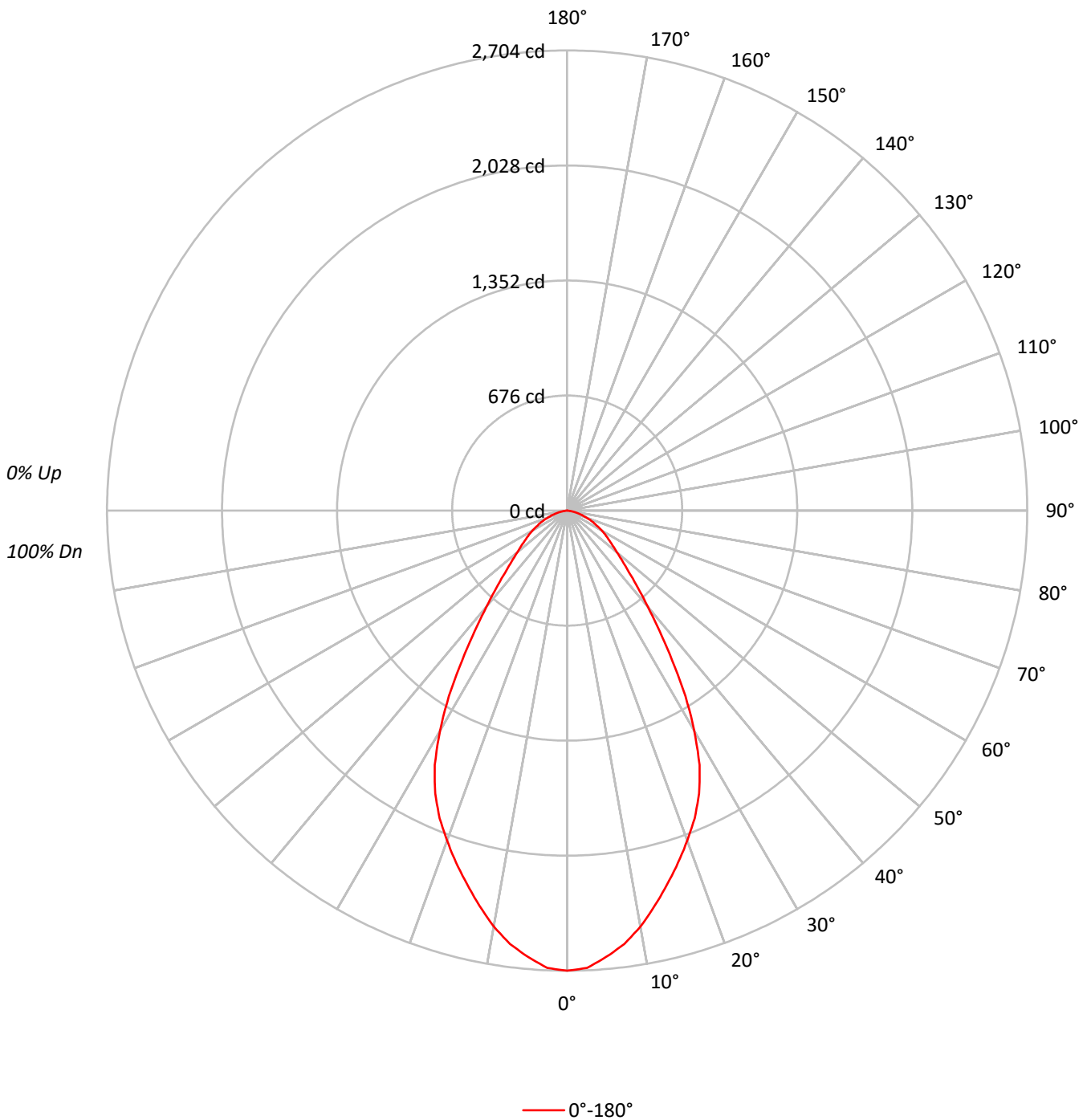
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73847
5°	72201
10°	68834
15°	64261
20°	59971
25°	55290
30°	47087
35°	35820
40°	26223
45°	19952
50°	16212
55°	14234
60°	12789
65°	11304
70°	9568
75°	7557
80°	5207
85°	2163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	7.4
10°-20°	638.3	19.1
20°-30°	831.8	24.9
30°-40°	677.2	20.3
40°-50°	408.4	12.2
50°-60°	270.7	8.1
60°-70°	173.7	5.2
70°-80°	77.4	2.3
80°-90°	11.6	0.3
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°	1716.9	51.5
0°-40°	2394.1	71.8
0°-60°	3073.2	92.1
0°-90°	3336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3336.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2704	
5°	2633	247
15°	2272	638
25°	1834	832
35°	1074	677
45°	516	408
55°	299	271
65°	175	174
75°	72	77
85°	7	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2703.5
2.5°	2689.7
5°	2633.2
7.5°	2568.5
10°	2481.7
12.5°	2378.5
15°	2272.4
17.5°	2169.1
20°	2063.1
22.5°	1957.0
25°	1834.5
27.5°	1684.3
30°	1492.9
32.5°	1293.2
35°	1074.2
37.5°	891.1
40°	735.4
42.5°	612.9
45°	516.5
47.5°	440.7
50°	381.5
52.5°	338.8
55°	298.9
57.5°	267.2
60°	234.1
62.5°	203.8
65°	174.9
67.5°	147.4
70°	119.8
72.5°	95.0
75°	71.6
77.5°	51.0
80°	33.1
82.5°	17.9
85°	6.9
87.5°	1.4
90°	0.0

(END OF REPORT)