

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: P365521

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2983.0 lumens
Efficiency: N/A
Efficacy: 73.5 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

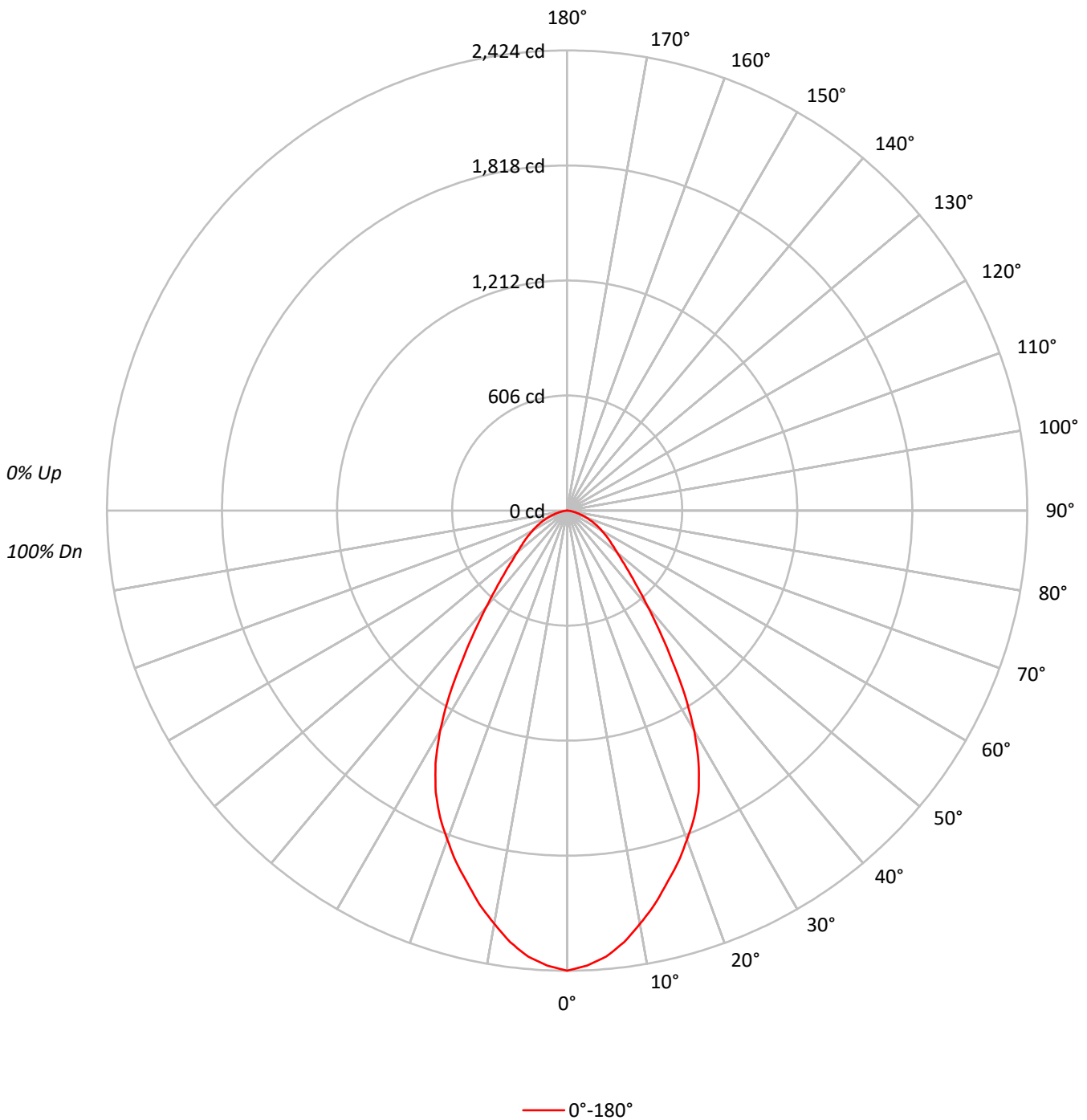
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		83	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°	66204
5°	64653
10°	61309
15°	57409
20°	53616
25°	49362
30°	42189
35°	32092
40°	23520
45°	17901
50°	14601
55°	12853
60°	11434
65°	10038
70°	8514
75°	6670
80°	4562
85°	2068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	7.4
10°-20°	570.6	19.1
20°-30°	743.0	24.9
30°-40°	606.3	20.3
40°-50°	366.6	12.3
50°-60°	242.8	8.1
60°-70°	154.5	5.2
70°-80°	68.5	2.3
80°-90°	10.4	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°	1534.0	51.4
0°-40°	2140.3	71.8
0°-60°	2749.6	92.2
0°-90°	2983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2983.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2424	
5°	2358	220
15°	2030	571
25°	1638	743
35°	962	606
45°	463	367
55°	270	243
65°	155	155
75°	63	68
85°	7	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2423.7
2.5°	2398.7
5°	2357.9
7.5°	2293.4
10°	2210.4
12.5°	2126.2
15°	2030.1
17.5°	1943.2
20°	1844.5
22.5°	1749.7
25°	1637.8
27.5°	1500.8
30°	1337.6
32.5°	1154.6
35°	962.4
37.5°	799.1
40°	659.6
42.5°	549.0
45°	463.4
47.5°	396.3
50°	343.6
52.5°	302.8
55°	269.9
57.5°	238.3
60°	209.3
62.5°	181.7
65°	155.3
67.5°	130.3
70°	106.6
72.5°	84.3
75°	63.2
77.5°	44.8
80°	29.0
82.5°	15.8
85°	6.6
87.5°	1.3
90°	0.0

(END OF REPORT)