

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: P365540

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2992.0 lumens
Efficiency: N/A
Efficacy: 73.7 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

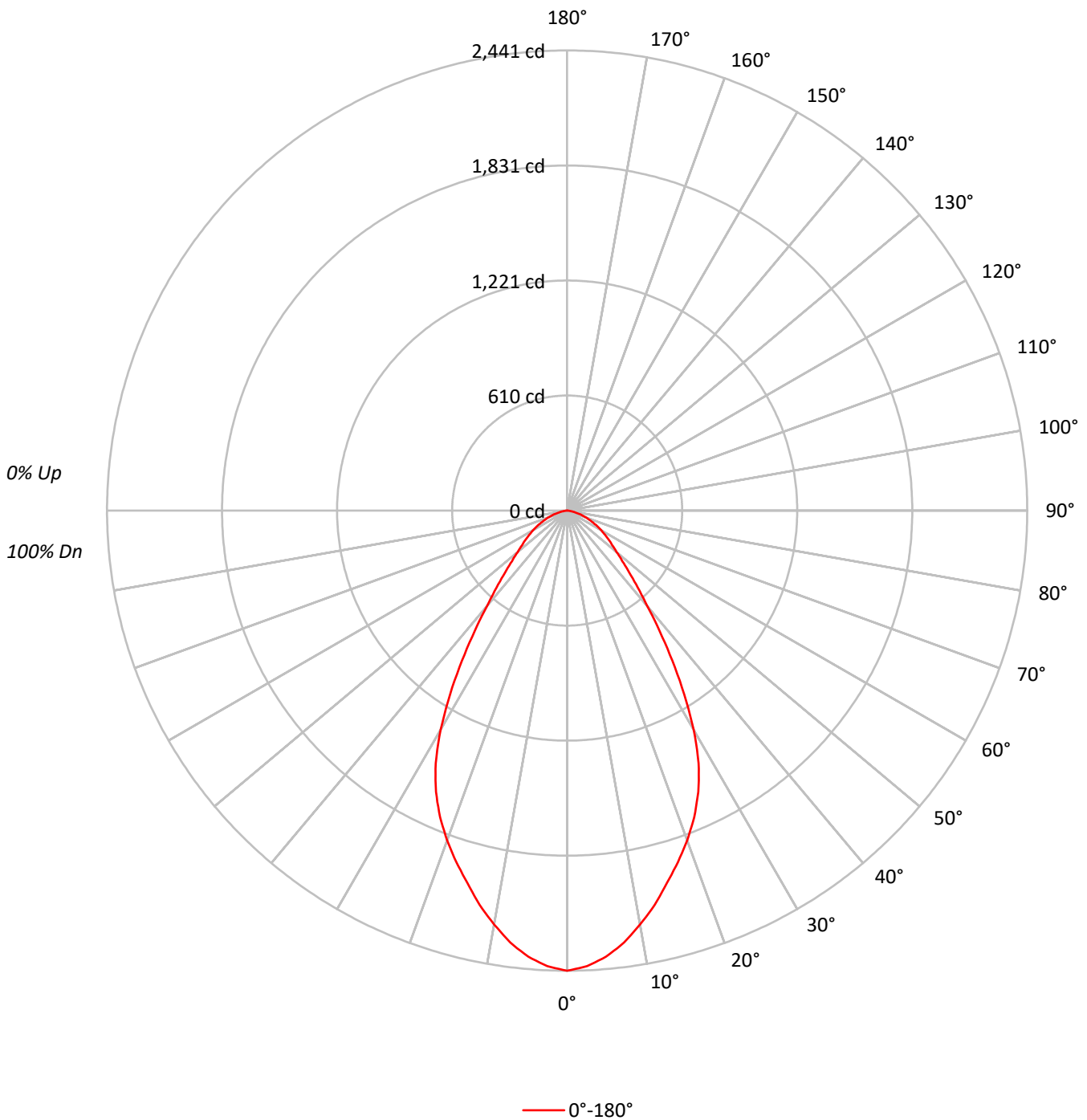
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		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	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		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	79	69	62	57	67	61	56		65	60	56		64	59	56	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	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66674
5°	65116
10°	61822
15°	57813
20°	54105
25°	49624
30°	42337
35°	32412
40°	23563
45°	17974
50°	14567
55°	12787
60°	11358
65°	9876
70°	8354
75°	6543
80°	4326
85°	1724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	7.4
10°-20°	574.9	19.2
20°-30°	747.5	25.0
30°-40°	609.2	20.4
40°-50°	367.8	12.3
50°-60°	241.6	8.1
60°-70°	152.5	5.1
70°-80°	66.7	2.2
80°-90°	9.7	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°	1544.5	51.6
0°-40°	2153.6	72.0
0°-60°	2763.0	92.3
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2441	
5°	2375	222
15°	2044	575
25°	1646	747
35°	972	609
45°	465	368
55°	268	242
65°	153	153
75°	62	67
85°	6	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2440.9
2.5°	2418.9
5°	2374.8
7.5°	2311.5
10°	2228.9
12.5°	2143.5
15°	2044.4
17.5°	1954.9
20°	1861.3
22.5°	1760.8
25°	1646.5
27.5°	1510.2
30°	1342.3
32.5°	1155.1
35°	972.0
37.5°	804.0
40°	660.8
42.5°	553.4
45°	465.3
47.5°	396.5
50°	342.8
52.5°	301.5
55°	268.5
57.5°	236.8
60°	207.9
62.5°	180.3
65°	152.8
67.5°	128.0
70°	104.6
72.5°	82.6
75°	62.0
77.5°	42.7
80°	27.5
82.5°	15.1
85°	5.5
87.5°	1.4
90°	0.0

(END OF REPORT)