

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: P365520

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

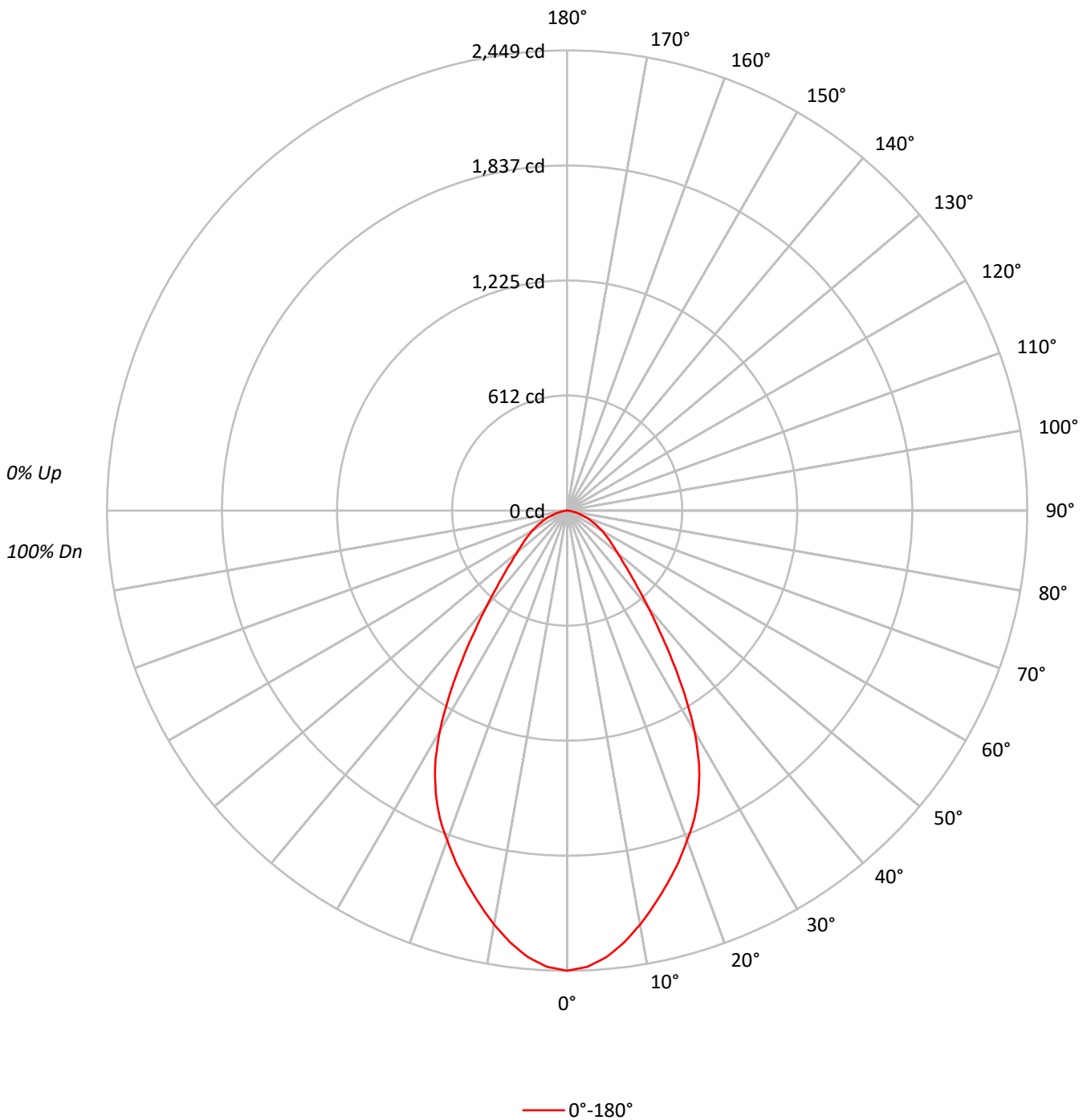
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	66898
5°	65420
10°	62047
15°	58155
20°	54265
25°	49910
30°	42760
35°	32552
40°	23912
45°	18117
50°	14835
55°	13049
60°	11658
65°	10219
70°	8729
75°	6818
80°	4562
85°	2068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.0	7.4
10°-20°	577.3	19.1
20°-30°	752.3	24.9
30°-40°	613.4	20.3
40°-50°	371.3	12.3
50°-60°	246.6	8.2
60°-70°	157.7	5.2
70°-80°	69.9	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°	1552.6	51.4
0°-40°	2166.0	71.7
0°-60°	2784.0	92.1
0°-90°	3022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3022.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2449	
5°	2386	223
15°	2056	577
25°	1656	752
35°	976	613
45°	469	371
55°	274	247
65°	158	158
75°	65	70
85°	7	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2449.1
2.5°	2430.7
5°	2385.9
7.5°	2318.7
10°	2237.0
12.5°	2147.4
15°	2056.5
17.5°	1965.6
20°	1866.8
22.5°	1772.0
25°	1656.0
27.5°	1521.6
30°	1355.7
32.5°	1165.9
35°	976.2
37.5°	805.0
40°	670.6
42.5°	556.0
45°	469.0
47.5°	400.5
50°	349.1
52.5°	307.0
55°	274.0
57.5°	242.4
60°	213.4
62.5°	185.8
65°	158.1
67.5°	133.1
70°	109.3
72.5°	85.6
75°	64.6
77.5°	46.1
80°	29.0
82.5°	15.8
85°	6.6
87.5°	1.3
90°	0.0

(END OF REPORT)