

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: P365592

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365592
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-FEU6B35-8050-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: 3335.0 lumens
Efficiency: N/A
Efficacy: 82.1 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

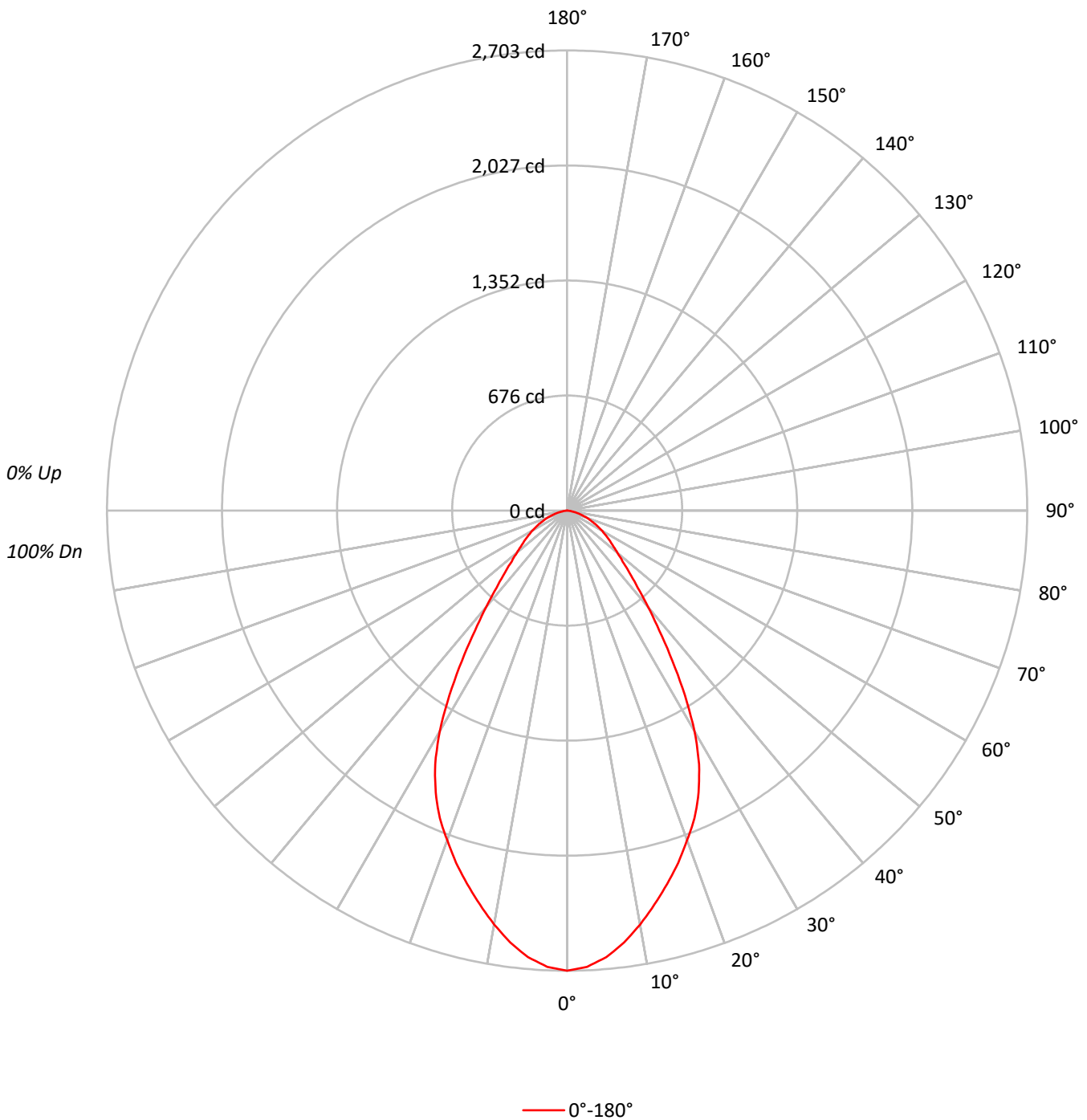
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	73828
5°	72196
10°	68473
15°	64179
20°	59887
25°	55082
30°	47188
35°	35923
40°	26387
45°	19995
50°	16373
55°	14401
60°	12865
65°	11279
70°	9640
75°	7514
80°	5034
85°	2288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	7.4
10°-20°	637.1	19.1
20°-30°	830.3	24.9
30°-40°	676.9	20.3
40°-50°	409.8	12.3
50°-60°	272.2	8.2
60°-70°	174.1	5.2
70°-80°	77.1	2.3
80°-90°	11.5	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°	1713.5	51.4
0°-40°	2390.4	71.7
0°-60°	3072.3	92.1
0°-90°	3335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2703	
5°	2633	246
15°	2270	637
25°	1828	830
35°	1077	677
45°	518	410
55°	302	272
65°	174	174
75°	71	77
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2702.8
2.5°	2682.4
5°	2633.0
7.5°	2558.9
10°	2468.7
12.5°	2369.9
15°	2269.5
17.5°	2169.2
20°	2060.2
22.5°	1955.5
25°	1827.6
27.5°	1679.3
30°	1496.1
32.5°	1286.7
35°	1077.3
37.5°	888.3
40°	740.0
42.5°	613.5
45°	517.6
47.5°	442.0
50°	385.3
52.5°	338.8
55°	302.4
57.5°	267.5
60°	235.5
62.5°	205.0
65°	174.5
67.5°	146.8
70°	120.7
72.5°	94.5
75°	71.2
77.5°	50.9
80°	32.0
82.5°	17.4
85°	7.3
87.5°	1.5
90°	0.0

(END OF REPORT)