

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: P365573

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3267.0 lumens
Efficiency: N/A
Efficacy: 80.5 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

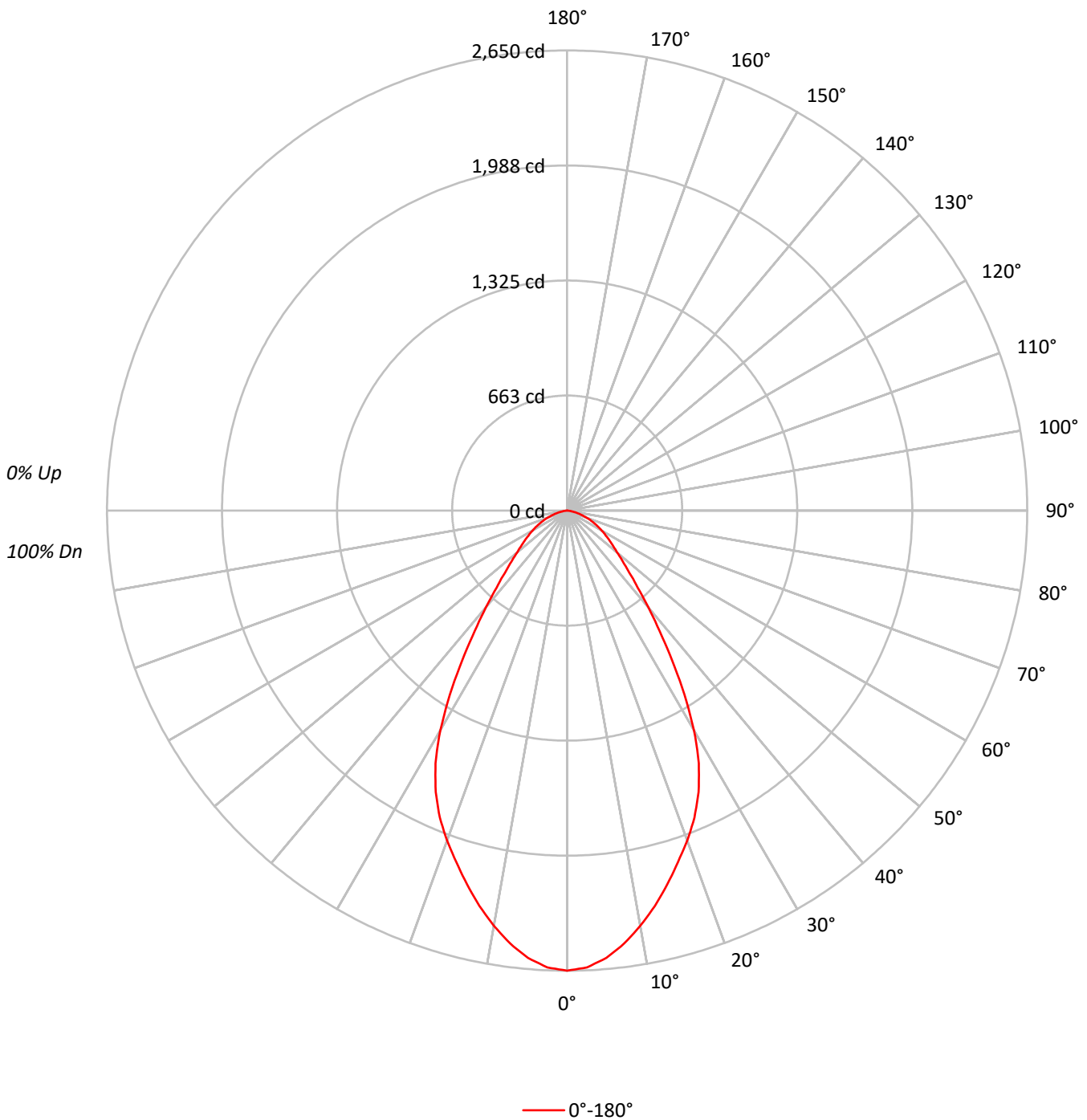
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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°	72380
5°	70904
10°	67356
15°	63014
20°	58791
25°	53940
30°	46062
35°	35116
40°	25859
45°	19628
50°	15982
55°	14058
60°	12560
65°	11098
70°	9408
75°	7335
80°	4908
85°	2225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.8	7.4
10°-20°	625.3	19.1
20°-30°	812.7	24.9
30°-40°	662.2	20.3
40°-50°	402.0	12.3
50°-60°	266.0	8.1
60°-70°	170.6	5.2
70°-80°	75.3	2.3
80°-90°	11.2	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°	1679.7	51.4
0°-40°	2341.9	71.7
0°-60°	3009.9	92.1
0°-90°	3267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3267.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2650	
5°	2586	242
15°	2228	625
25°	1790	813
35°	1053	662
45°	508	402
55°	295	266
65°	172	171
75°	70	75
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2649.8
2.5°	2632.7
5°	2585.9
7.5°	2514.9
10°	2428.4
12.5°	2331.9
15°	2228.3
17.5°	2121.8
20°	2022.5
22.5°	1914.6
25°	1789.7
27.5°	1642.1
30°	1460.4
32.5°	1256.1
35°	1053.1
37.5°	872.9
40°	725.2
42.5°	601.8
45°	508.1
47.5°	434.3
50°	376.1
52.5°	332.1
55°	295.2
57.5°	261.1
60°	229.9
62.5°	200.1
65°	171.7
67.5°	144.8
70°	117.8
72.5°	92.3
75°	69.5
77.5°	49.7
80°	31.2
82.5°	17.0
85°	7.1
87.5°	1.4
90°	0.0

(END OF REPORT)