

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: P365558

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365558
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-FEU6B35-8035-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: 3052.0 lumens
Efficiency: N/A
Efficacy: 75.2 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

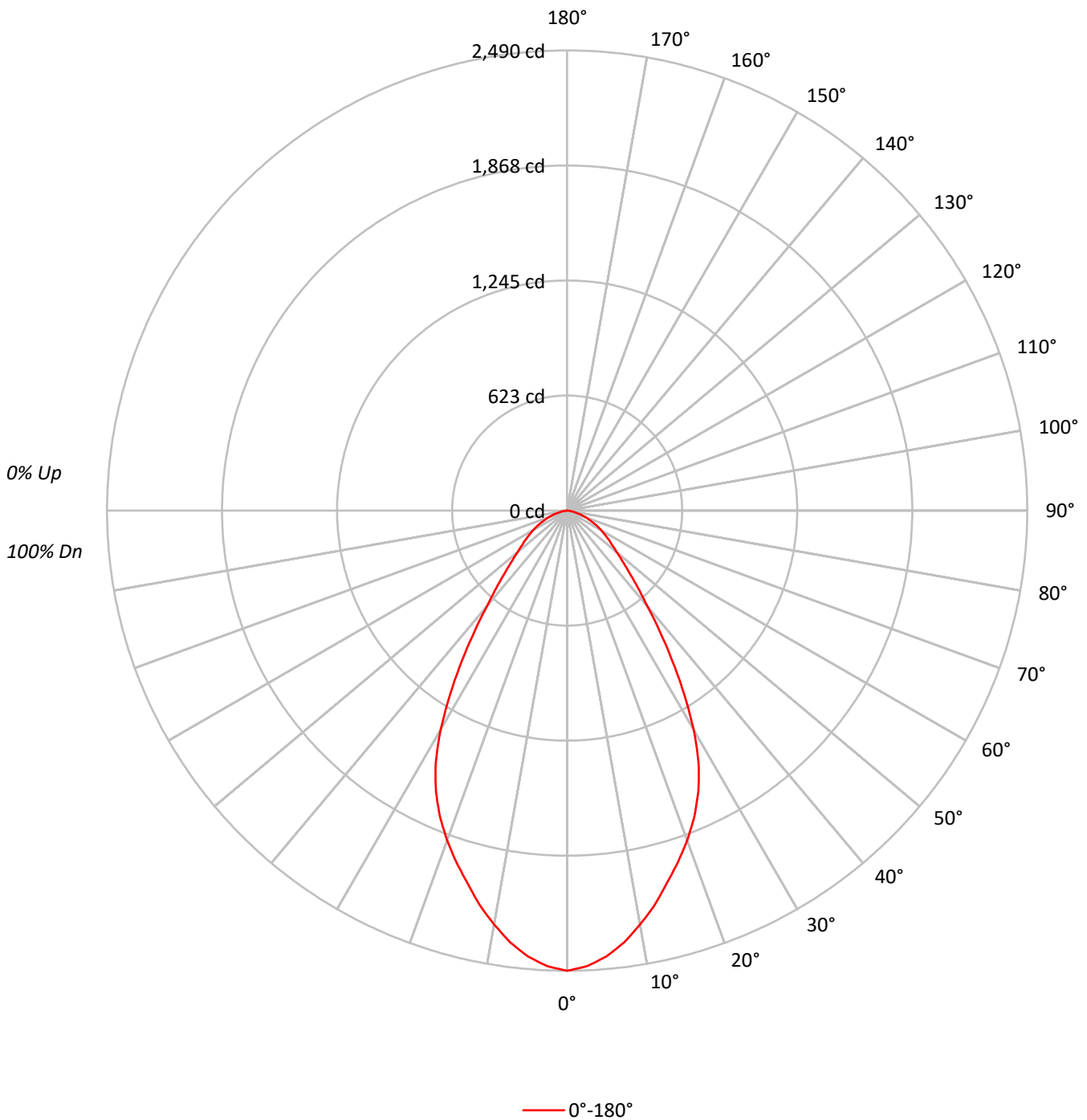
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68012
5°	66421
10°	63062
15°	58973
20°	55189
25°	50622
30°	43186
35°	33059
40°	24037
45°	18337
50°	14861
55°	13039
60°	11587
65°	10076
70°	8522
75°	6670
80°	4420
85°	1755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	7.4
10°-20°	586.4	19.2
20°-30°	762.5	25.0
30°-40°	621.4	20.4
40°-50°	375.2	12.3
50°-60°	246.4	8.1
60°-70°	155.6	5.1
70°-80°	68.0	2.2
80°-90°	9.9	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°	1575.4	51.6
0°-40°	2196.8	72.0
0°-60°	2818.4	92.3
0°-90°	3052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3052.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2490	
5°	2422	227
15°	2085	586
25°	1680	762
35°	991	621
45°	475	375
55°	274	246
65°	156	156
75°	63	68
85°	6	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2489.9
2.5°	2467.4
5°	2422.4
7.5°	2357.8
10°	2273.6
12.5°	2186.5
15°	2085.4
17.5°	1994.1
20°	1898.6
22.5°	1796.1
25°	1679.6
27.5°	1540.5
30°	1369.2
32.5°	1178.2
35°	991.4
37.5°	820.1
40°	674.1
42.5°	564.5
45°	474.7
47.5°	404.4
50°	349.7
52.5°	307.5
55°	273.8
57.5°	241.5
60°	212.1
62.5°	184.0
65°	155.9
67.5°	130.6
70°	106.7
72.5°	84.3
75°	63.2
77.5°	43.5
80°	28.1
82.5°	15.4
85°	5.6
87.5°	1.4
90°	0.0

(END OF REPORT)