

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: P365248

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 975.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

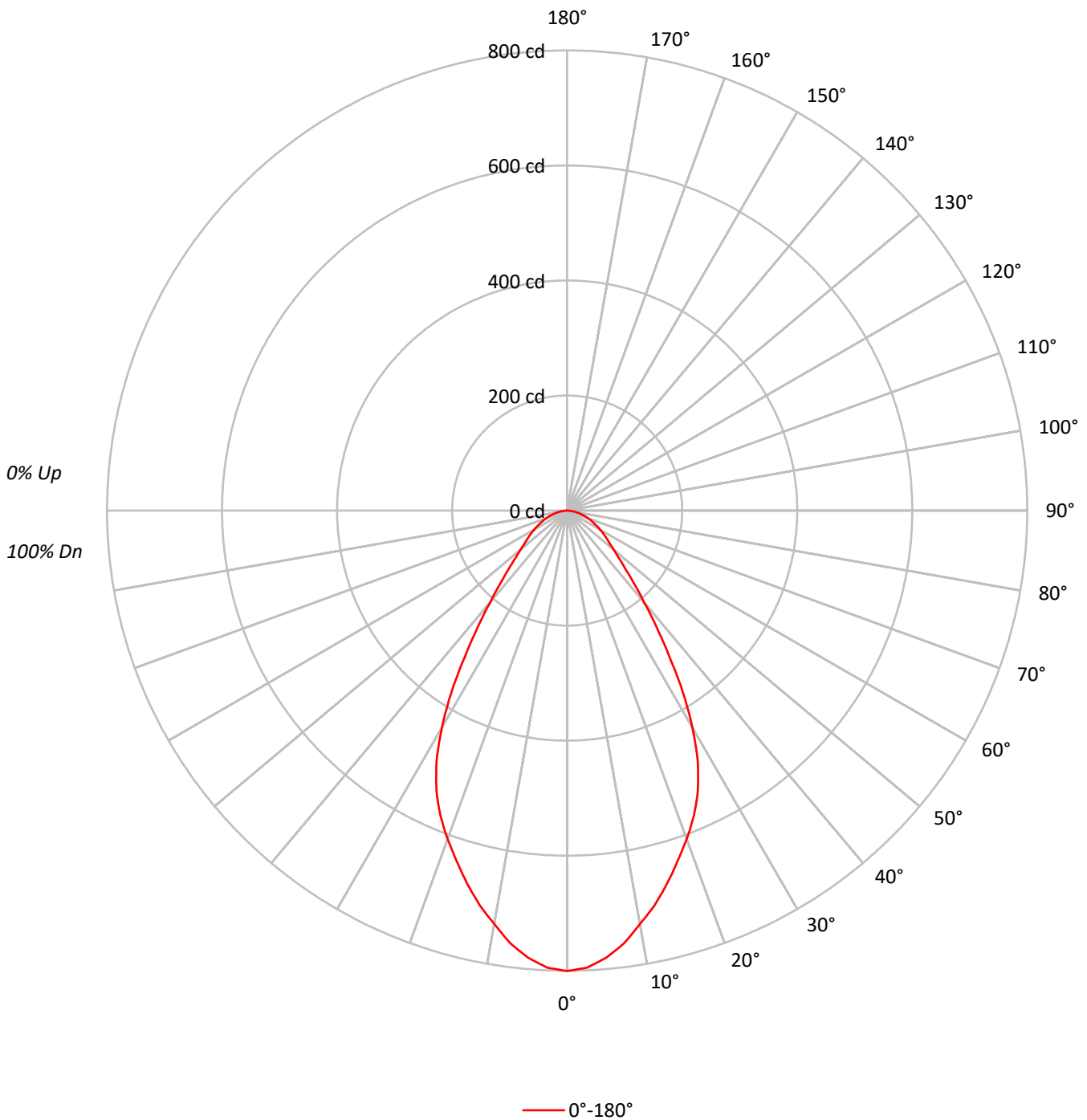
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71					71			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59					59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21863
5°	21393
10°	20239
15°	18984
20°	17662
25°	16212
30°	13739
35°	10321
40°	7406
45°	5539
50°	4462
55°	3962
60°	3600
65°	3296
70°	3019
75°	2765
80°	2470
85°	2037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	7.5
10°-20°	188.2	19.3
20°-30°	243.8	25.0
30°-40°	195.1	20.0
40°-50°	113.8	11.7
50°-60°	75.0	7.7
60°-70°	50.9	5.2
70°-80°	27.9	2.9
80°-90°	7.5	0.8
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°	504.9	51.8
0°-40°	700.0	71.8
0°-60°	888.8	91.2
0°-90°	975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	975.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	800	
5°	780	73
15°	671	188
25°	538	244
35°	310	195
45°	143	114
55°	83	75
65°	51	51
75°	26	28
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	800.4
2.5°	795.3
5°	780.2
7.5°	758.6
10°	729.7
12.5°	702.7
15°	671.3
17.5°	638.7
20°	607.6
22.5°	575.2
25°	537.9
27.5°	491.8
30°	435.6
32.5°	374.8
35°	309.5
37.5°	254.7
40°	207.7
42.5°	172.0
45°	143.4
47.5°	121.5
50°	105.0
52.5°	92.6
55°	83.2
57.5°	74.5
60°	65.9
62.5°	58.3
65°	51.0
67.5°	44.6
70°	37.8
72.5°	31.9
75°	26.2
77.5°	20.8
80°	15.7
82.5°	10.8
85°	6.5
87.5°	2.4
90°	0.0

(END OF REPORT)