

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: P365880

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 897.9 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

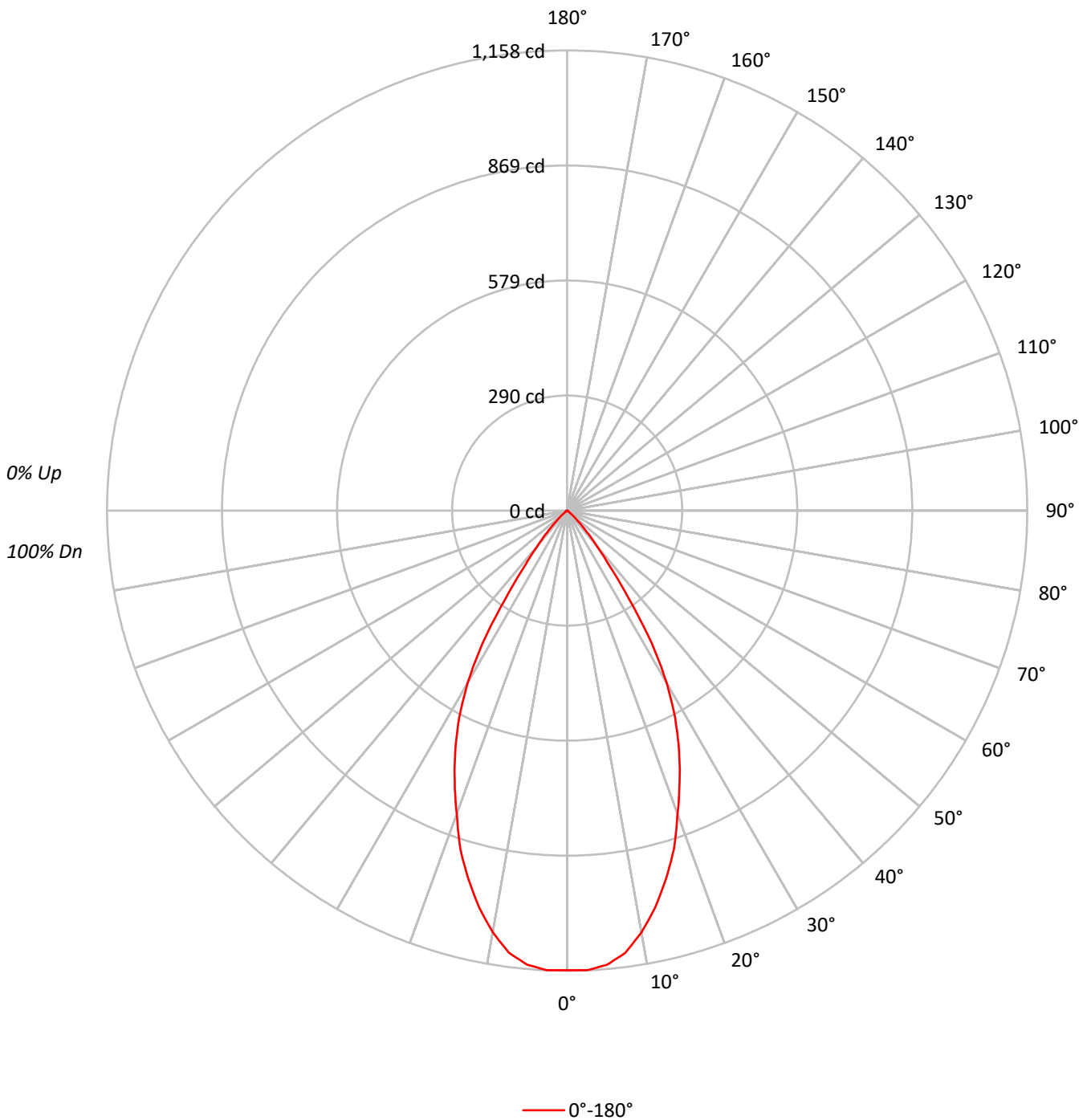
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31590
5°	31459
10°	29883
15°	27145
20°	23621
25°	20082
30°	15796
35°	9013
40°	4054
45°	1707
50°	540
55°	162
60°	115
65°	90
70°	80
75°	106
80°	47
85°	94



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	12.0
10°-20°	267.0	29.7
20°-30°	302.6	33.7
30°-40°	175.4	19.5
40°-50°	38.9	4.3
50°-60°	4.3	0.5
60°-70°	1.4	0.2
70°-80°	0.9	0.1
80°-90°	0.2	0.0
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
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0°-30°	676.9	75.4
0°-40°	852.3	94.9
0°-60°	895.4	99.7
0°-90°	897.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1156	
5°	1147	107
15°	960	267
25°	666	303
35°	270	175
45°	44	39
55°	3	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1156.5
2.5°	1157.6
5°	1147.3
7.5°	1122.3
10°	1077.4
12.5°	1022.9
15°	959.9
17.5°	893.4
20°	812.6
22.5°	739.6
25°	666.3
27.5°	588.2
30°	500.8
32.5°	397.7
35°	270.3
37.5°	173.7
40°	113.7
42.5°	74.3
45°	44.2
47.5°	24.7
50°	12.7
52.5°	5.8
55°	3.4
57.5°	2.7
60°	2.1
62.5°	1.7
65°	1.4
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.7
80°	0.3
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)