

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: P365378

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365378
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: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1491.0 lumens
Efficiency: N/A
Efficacy: 73.4 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

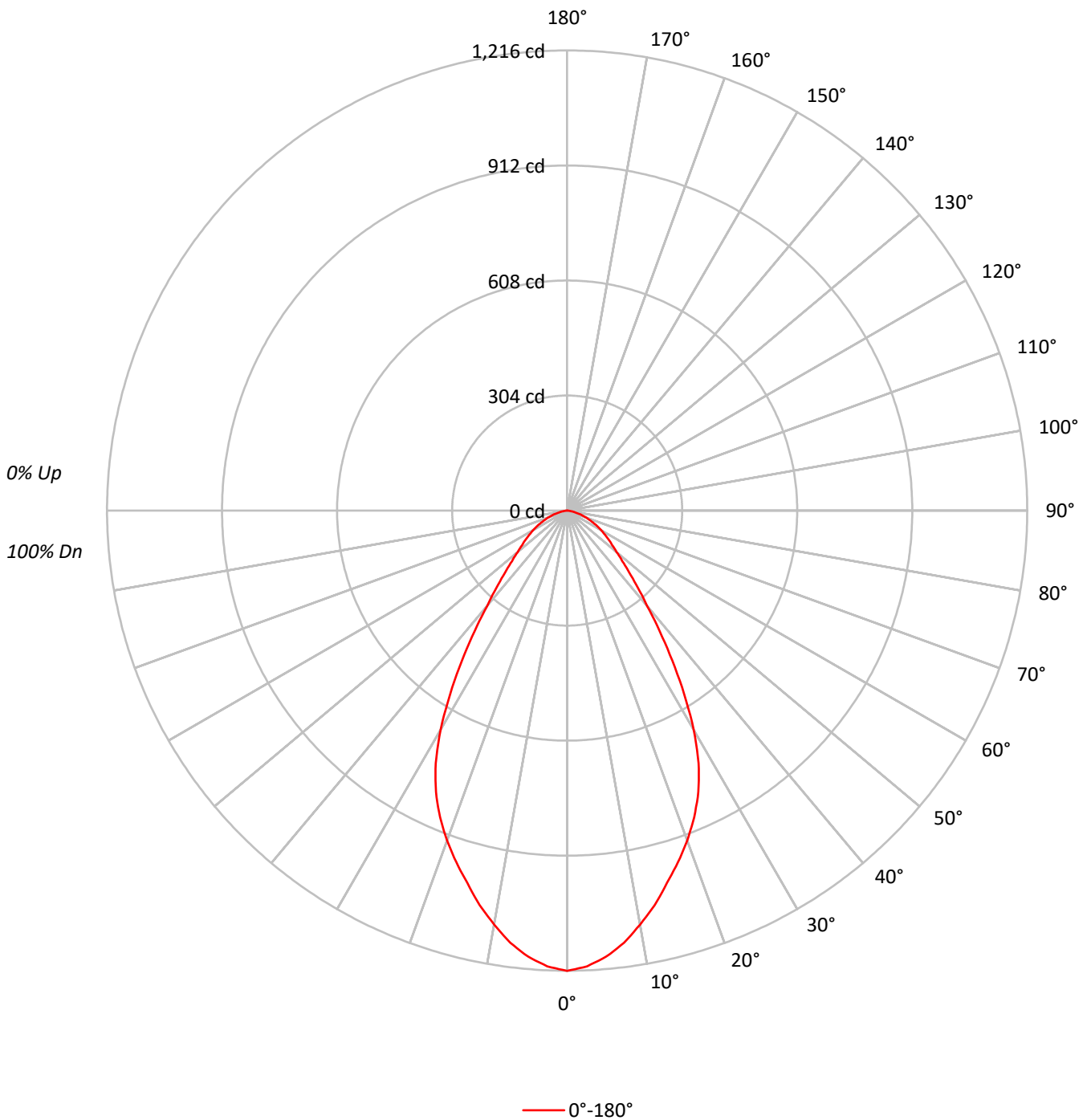
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65			65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46			46
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	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33226
5°	32448
10°	30807
15°	28810
20°	26961
25°	24729
30°	21098
35°	16153
40°	11742
45°	8958
50°	7258
55°	6372
60°	5660
65°	4925
70°	4161
75°	3261
80°	2155
85°	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	7.4
10°-20°	286.5	19.2
20°-30°	372.5	25.0
30°-40°	303.6	20.4
40°-50°	183.3	12.3
50°-60°	120.4	8.1
60°-70°	76.0	5.1
70°-80°	33.3	2.2
80°-90°	4.8	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°	769.7	51.6
0°-40°	1073.2	72.0
0°-60°	1376.9	92.3
0°-90°	1491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1491.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1216	
5°	1183	111
15°	1019	286
25°	820	372
35°	484	304
45°	232	183
55°	134	120
65°	76	76
75°	31	33
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1216.4
2.5°	1205.4
5°	1183.4
7.5°	1151.9
10°	1110.7
12.5°	1068.2
15°	1018.8
17.5°	974.2
20°	927.5
22.5°	877.5
25°	820.5
27.5°	752.6
30°	668.9
32.5°	575.6
35°	484.4
37.5°	400.7
40°	329.3
42.5°	275.8
45°	231.9
47.5°	197.6
50°	170.8
52.5°	150.2
55°	133.8
57.5°	118.0
60°	103.6
62.5°	89.9
65°	76.2
67.5°	63.8
70°	52.1
72.5°	41.2
75°	30.9
77.5°	21.3
80°	13.7
82.5°	7.5
85°	2.7
87.5°	0.7
90°	0.0

(END OF REPORT)