

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: P365429

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365429
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: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2159.0 lumens
Efficiency: N/A
Efficacy: 80.0 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

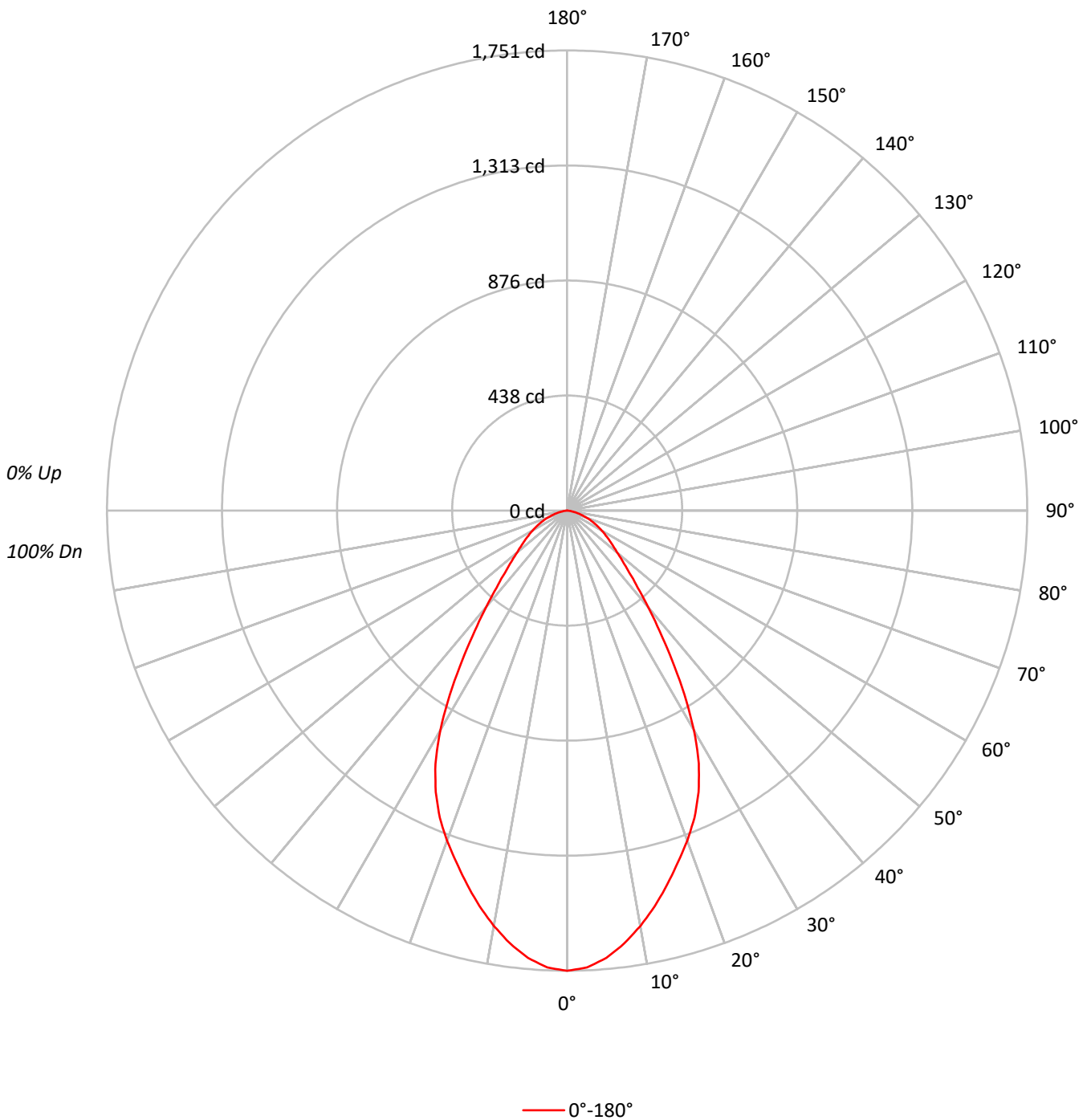
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47832
5°	46857
10°	44512
15°	41641
20°	38850
25°	35645
30°	30440
35°	23205
40°	17091
45°	12972
50°	10564
55°	9291
60°	8298
65°	7336
70°	6213
75°	4855
80°	3240
85°	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	7.4
10°-20°	413.2	19.1
20°-30°	537.0	24.9
30°-40°	437.6	20.3
40°-50°	265.6	12.3
50°-60°	175.8	8.1
60°-70°	112.8	5.2
70°-80°	49.8	2.3
80°-90°	7.4	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°	1110.0	51.4
0°-40°	1547.7	71.7
0°-60°	1989.1	92.1
0°-90°	2159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1751	
5°	1709	160
15°	1472	413
25°	1183	537
35°	696	438
45°	336	266
55°	195	176
65°	114	113
75°	46	50
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1751.1
2.5°	1739.9
5°	1708.9
7.5°	1662.0
10°	1604.8
12.5°	1541.0
15°	1472.5
17.5°	1402.2
20°	1336.5
22.5°	1265.3
25°	1182.7
27.5°	1085.2
30°	965.1
32.5°	830.1
35°	695.9
37.5°	576.8
40°	479.3
42.5°	397.7
45°	335.8
47.5°	287.0
50°	248.6
52.5°	219.5
55°	195.1
57.5°	172.6
60°	151.9
62.5°	132.2
65°	113.5
67.5°	95.7
70°	77.8
72.5°	61.0
75°	46.0
77.5°	32.8
80°	20.6
82.5°	11.3
85°	4.7
87.5°	0.9
90°	0.0

(END OF REPORT)