

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: P365447

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365447
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-FEU6B35-8030-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: 2256.9 lumens
Efficiency: N/A
Efficacy: 83.6 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

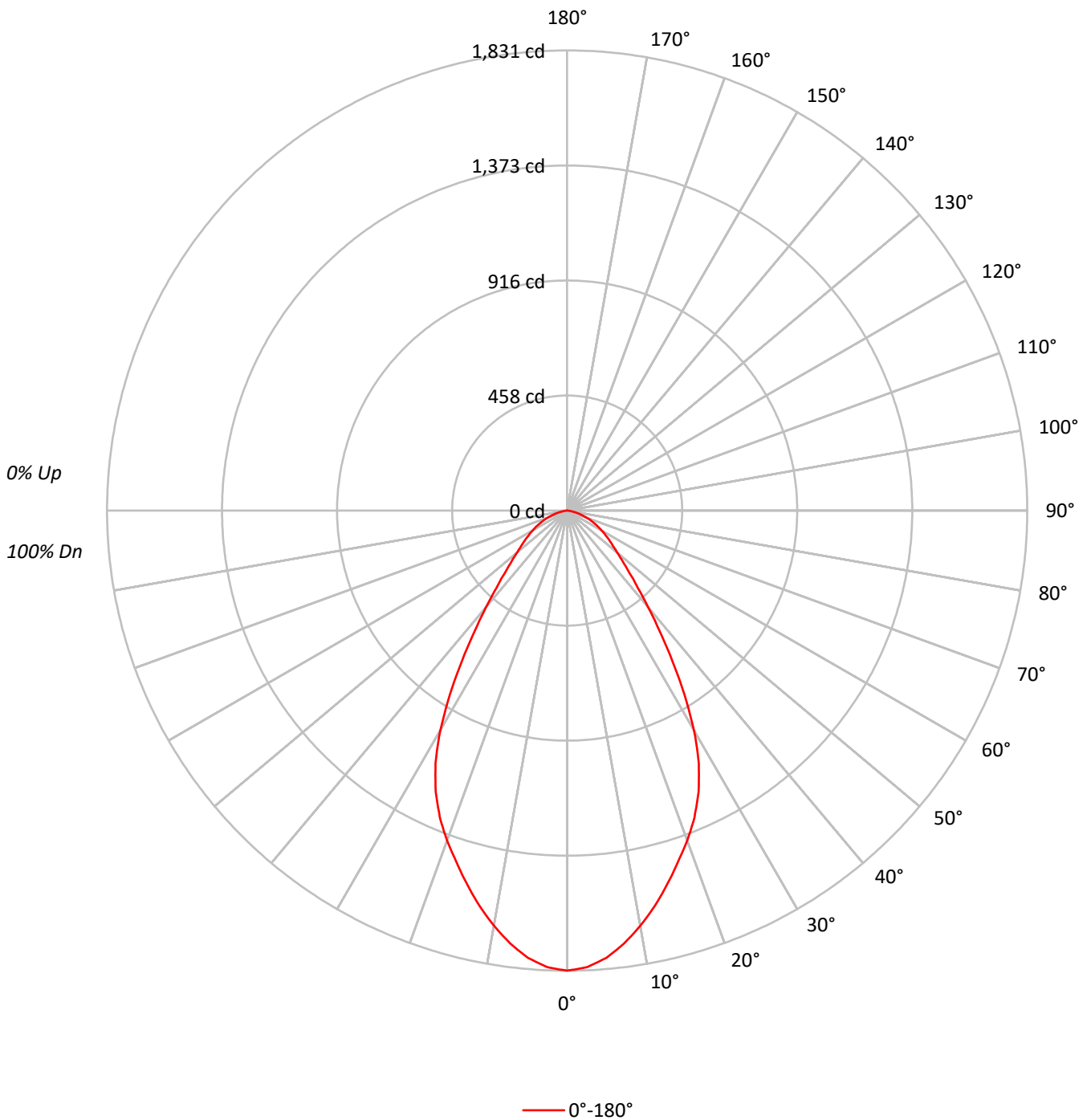
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50003
5°	48985
10°	46531
15°	43532
20°	40614
25°	37264
30°	31822
35°	24259
40°	17864
45°	13559
50°	11040
55°	9710
60°	8675
65°	7666
70°	6501
75°	5066
80°	3398
85°	1536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	7.4
10°-20°	432.0	19.1
20°-30°	561.4	24.9
30°-40°	457.5	20.3
40°-50°	277.7	12.3
50°-60°	183.7	8.1
60°-70°	117.9	5.2
70°-80°	52.0	2.3
80°-90°	7.7	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°	1160.4	51.4
0°-40°	1617.9	71.7
0°-60°	2079.3	92.1
0°-90°	2256.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1831	
5°	1786	167
15°	1539	432
25°	1236	561
35°	728	457
45°	351	278
55°	204	184
65°	119	118
75°	48	52
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1830.6
2.5°	1818.8
5°	1786.5
7.5°	1737.4
10°	1677.6
12.5°	1611.0
15°	1539.4
17.5°	1465.8
20°	1397.2
22.5°	1322.7
25°	1236.4
27.5°	1134.4
30°	1008.9
32.5°	867.7
35°	727.5
37.5°	603.0
40°	501.0
42.5°	415.7
45°	351.0
47.5°	300.0
50°	259.8
52.5°	229.4
55°	203.9
57.5°	180.4
60°	158.8
62.5°	138.3
65°	118.6
67.5°	100.0
70°	81.4
72.5°	63.7
75°	48.0
77.5°	34.3
80°	21.6
82.5°	11.8
85°	4.9
87.5°	1.0
90°	0.0

(END OF REPORT)