

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: P365501

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365501
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-FEU6B35-8050-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: 2383.0 lumens
Efficiency: N/A
Efficacy: 88.3 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

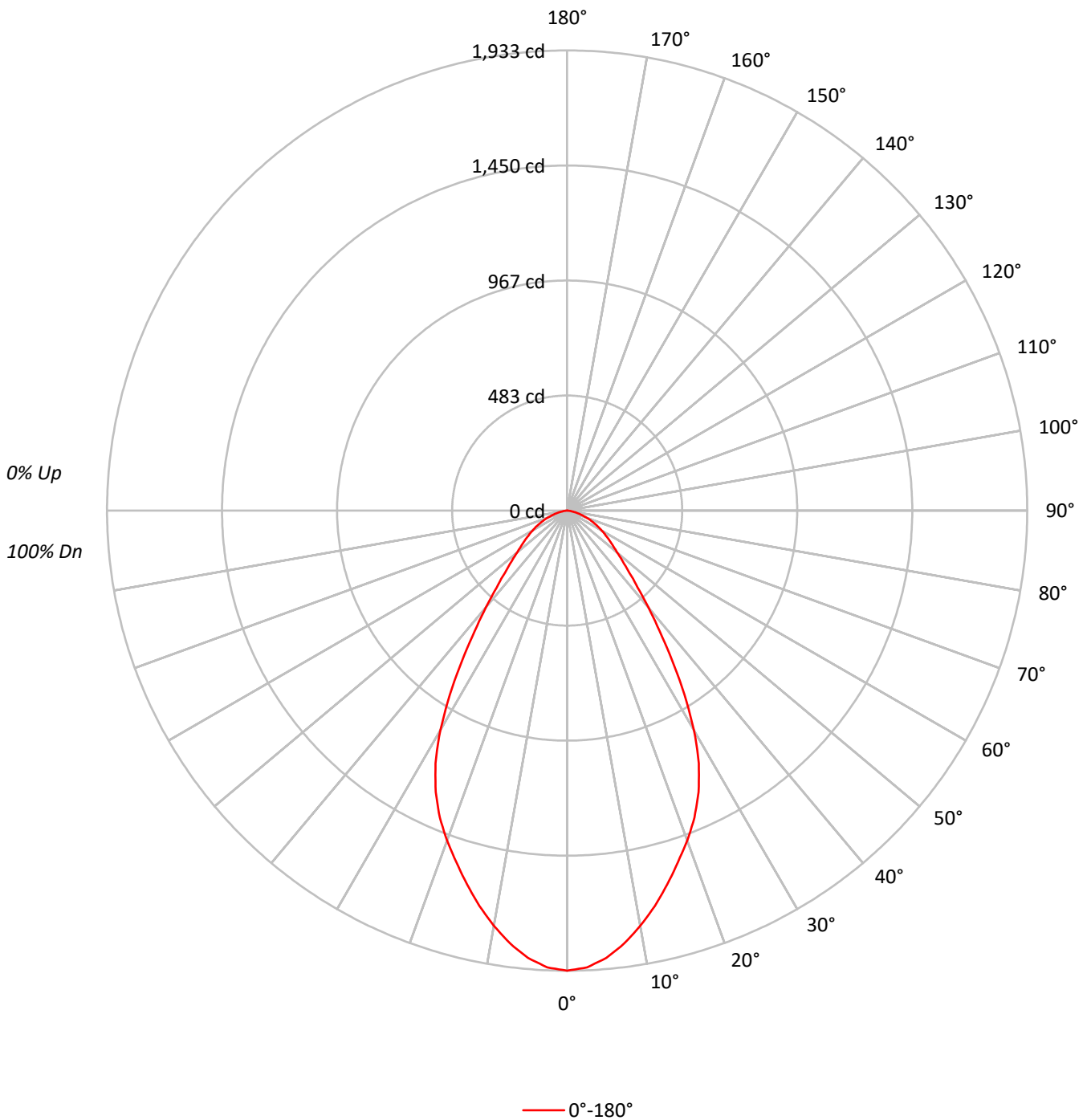
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52795
5°	51719
10°	49130
15°	45962
20°	42882
25°	39344
30°	33601
35°	25613
40°	18863
45°	14316
50°	11656
55°	10253
60°	9162
65°	8099
70°	6860
75°	5351
80°	3586
85°	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	7.4
10°-20°	456.1	19.1
20°-30°	592.8	24.9
30°-40°	483.0	20.3
40°-50°	293.2	12.3
50°-60°	194.0	8.1
60°-70°	124.5	5.2
70°-80°	54.9	2.3
80°-90°	8.2	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°	1225.2	51.4
0°-40°	1708.2	71.7
0°-60°	2195.4	92.1
0°-90°	2383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2383.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1933	
5°	1886	176
15°	1625	456
25°	1305	593
35°	768	483
45°	371	293
55°	215	194
65°	125	124
75°	51	55
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1932.8
2.5°	1920.4
5°	1886.2
7.5°	1834.4
10°	1771.3
12.5°	1700.9
15°	1625.3
17.5°	1547.7
20°	1475.2
22.5°	1396.5
25°	1305.4
27.5°	1197.8
30°	1065.3
32.5°	916.2
35°	768.1
37.5°	636.7
40°	529.0
42.5°	438.9
45°	370.6
47.5°	316.8
50°	274.3
52.5°	242.2
55°	215.3
57.5°	190.5
60°	167.7
62.5°	146.0
65°	125.3
67.5°	105.6
70°	85.9
72.5°	67.3
75°	50.7
77.5°	36.2
80°	22.8
82.5°	12.4
85°	5.2
87.5°	1.0
90°	0.0

(END OF REPORT)