

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: P365430

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2151.0 lumens
Efficiency: N/A
Efficacy: 79.7 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

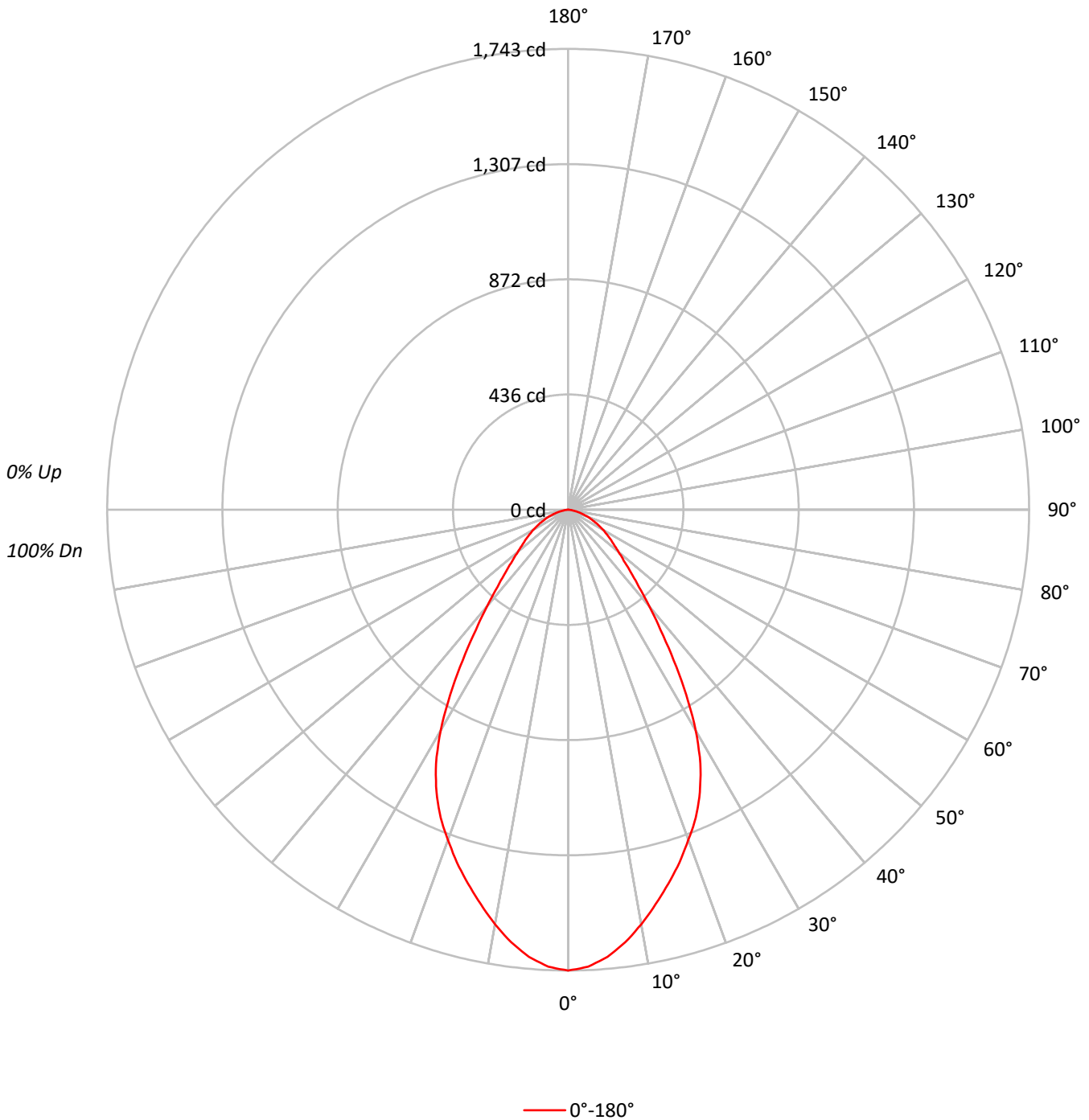
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	47616
5°	46564
10°	44165
15°	41395
20°	38626
25°	35525
30°	30434
35°	23172
40°	17019
45°	12895
50°	10560
55°	9286
60°	8298
65°	7271
70°	6213
75°	4844
80°	3240
85°	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	7.4
10°-20°	410.9	19.1
20°-30°	535.5	24.9
30°-40°	436.6	20.3
40°-50°	264.3	12.3
50°-60°	175.5	8.2
60°-70°	112.3	5.2
70°-80°	49.7	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°	1105.1	51.4
0°-40°	1541.7	71.7
0°-60°	1981.6	92.1
0°-90°	2151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2151.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1743	
5°	1698	159
15°	1464	411
25°	1179	535
35°	695	437
45°	334	264
55°	195	176
65°	112	112
75°	46	50
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1743.2
2.5°	1730.1
5°	1698.2
7.5°	1650.4
10°	1592.3
12.5°	1528.5
15°	1463.8
17.5°	1399.1
20°	1328.8
22.5°	1261.2
25°	1178.7
27.5°	1083.1
30°	964.9
32.5°	829.9
35°	694.9
37.5°	573.0
40°	477.3
42.5°	395.7
45°	333.8
47.5°	285.1
50°	248.5
52.5°	218.5
55°	195.0
57.5°	172.5
60°	151.9
62.5°	132.2
65°	112.5
67.5°	94.7
70°	77.8
72.5°	61.0
75°	45.9
77.5°	32.8
80°	20.6
82.5°	11.3
85°	4.7
87.5°	0.9
90°	0.0

(END OF REPORT)