

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: P365504

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365504
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: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2249.0 lumens
Efficiency: N/A
Efficacy: 83.3 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

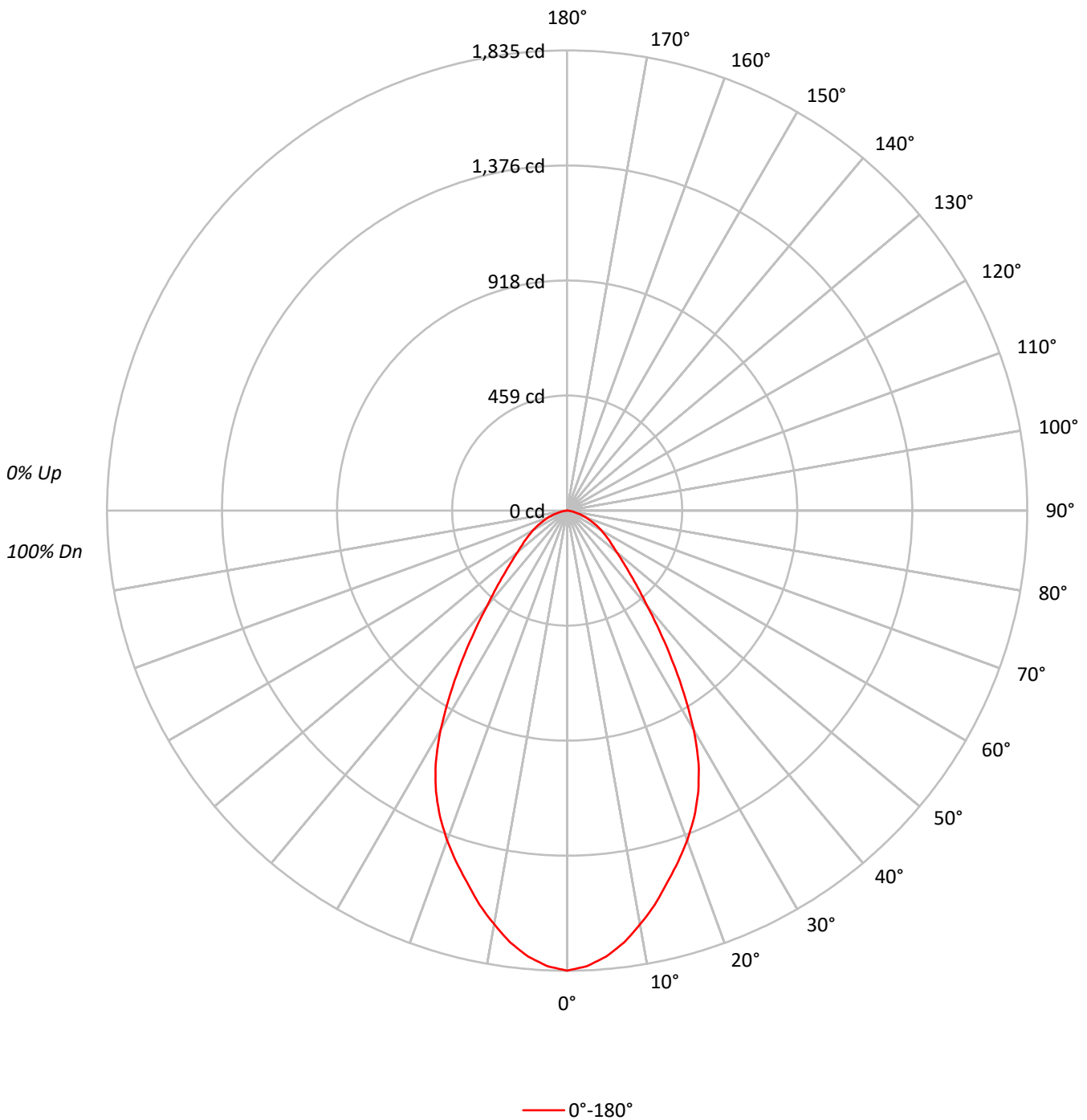
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		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	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		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	79	69	62	57	67	61	56		65	60	56		64	59	56	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	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50118
5°	48947
10°	46470
15°	43456
20°	40669
25°	37303
30°	31825
35°	24362
40°	17711
45°	13513
50°	10951
55°	9610
60°	8539
65°	7426
70°	6277
75°	4918
80°	3256
85°	1285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	7.4
10°-20°	432.1	19.2
20°-30°	561.9	25.0
30°-40°	457.9	20.4
40°-50°	276.5	12.3
50°-60°	181.6	8.1
60°-70°	114.7	5.1
70°-80°	50.1	2.2
80°-90°	7.3	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°	1160.9	51.6
0°-40°	1618.8	72.0
0°-60°	2076.9	92.3
0°-90°	2249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1835	
5°	1785	167
15°	1537	432
25°	1238	562
35°	731	458
45°	350	276
55°	202	182
65°	115	115
75°	47	50
85°	4	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1834.8
2.5°	1818.2
5°	1785.1
7.5°	1737.5
10°	1675.4
12.5°	1611.2
15°	1536.7
17.5°	1469.5
20°	1399.1
22.5°	1323.5
25°	1237.7
27.5°	1135.2
30°	1009.0
32.5°	868.2
35°	730.6
37.5°	604.3
40°	496.7
42.5°	416.0
45°	349.8
47.5°	298.0
50°	257.7
52.5°	226.6
55°	201.8
57.5°	178.0
60°	156.3
62.5°	135.6
65°	114.9
67.5°	96.2
70°	78.6
72.5°	62.1
75°	46.6
77.5°	32.1
80°	20.7
82.5°	11.4
85°	4.1
87.5°	1.0
90°	0.0

(END OF REPORT)