

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: P365432

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365432
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-FEU6B35-8027-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: 2038.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

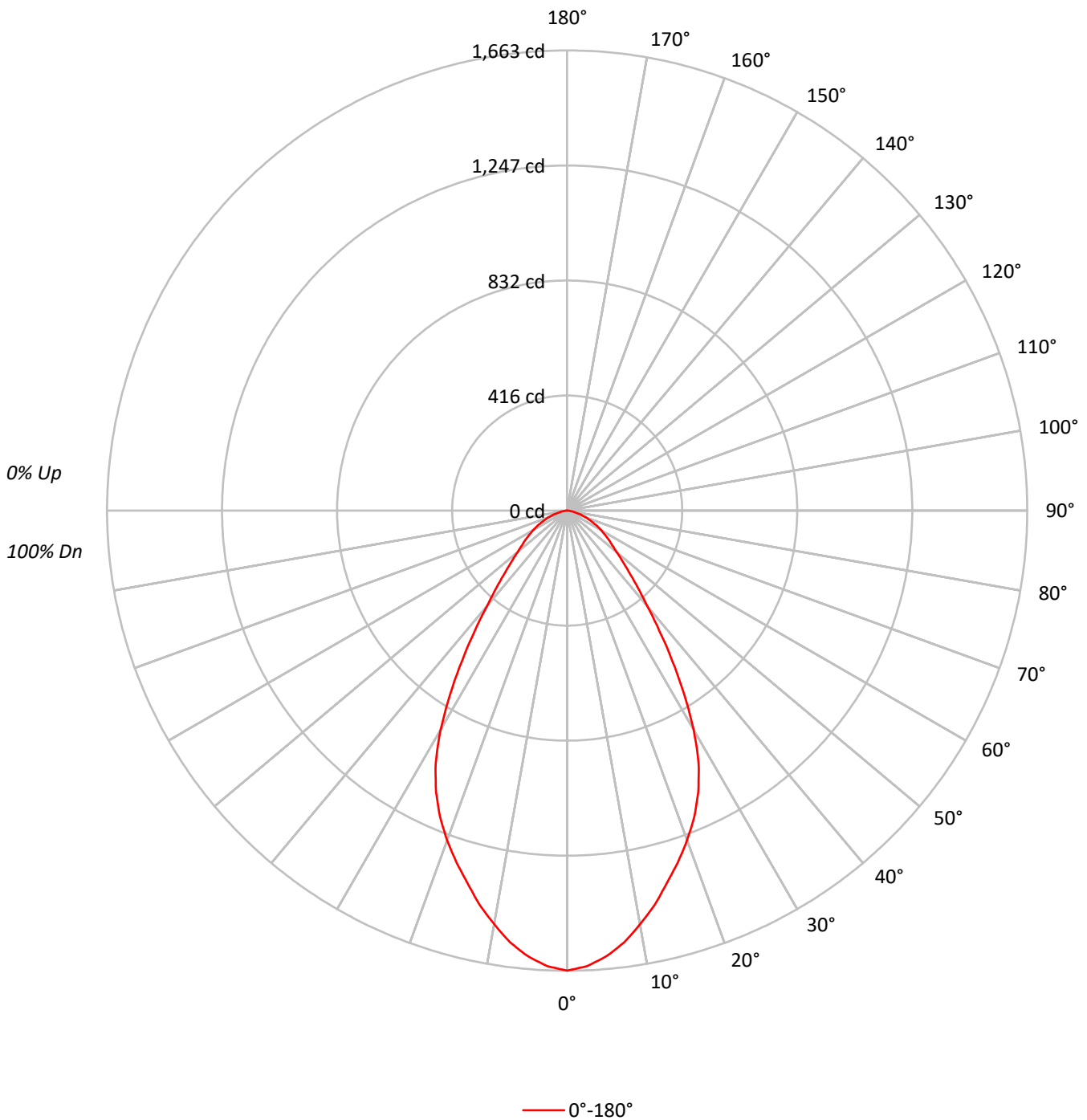
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	89	83	78	95	88	82	77	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°	45414
5°	44354
10°	42110
15°	39378
20°	36853
25°	33801
30°	28838
35°	22075
40°	16049
45°	12246
50°	9923
55°	8710
60°	7736
65°	6728
70°	5694
75°	4454
80°	2957
85°	1191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	7.4
10°-20°	391.6	19.2
20°-30°	509.1	25.0
30°-40°	414.9	20.4
40°-50°	250.6	12.3
50°-60°	164.6	8.1
60°-70°	103.9	5.1
70°-80°	45.5	2.2
80°-90°	6.6	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°	1052.0	51.6
0°-40°	1466.9	72.0
0°-60°	1882.0	92.3
0°-90°	2038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1663	
5°	1618	151
15°	1392	392
25°	1122	509
35°	662	415
45°	317	251
55°	183	165
65°	104	104
75°	42	45
85°	4	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1662.6
2.5°	1647.6
5°	1617.6
7.5°	1574.5
10°	1518.2
12.5°	1460.1
15°	1392.5
17.5°	1331.6
20°	1267.8
22.5°	1199.4
25°	1121.5
27.5°	1028.7
30°	914.3
32.5°	786.8
35°	662.0
37.5°	547.6
40°	450.1
42.5°	377.0
45°	317.0
47.5°	270.1
50°	233.5
52.5°	205.4
55°	182.9
57.5°	161.3
60°	141.6
62.5°	122.8
65°	104.1
67.5°	87.2
70°	71.3
72.5°	56.3
75°	42.2
77.5°	29.1
80°	18.8
82.5°	10.3
85°	3.8
87.5°	0.9
90°	0.0

(END OF REPORT)