

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: P365510

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

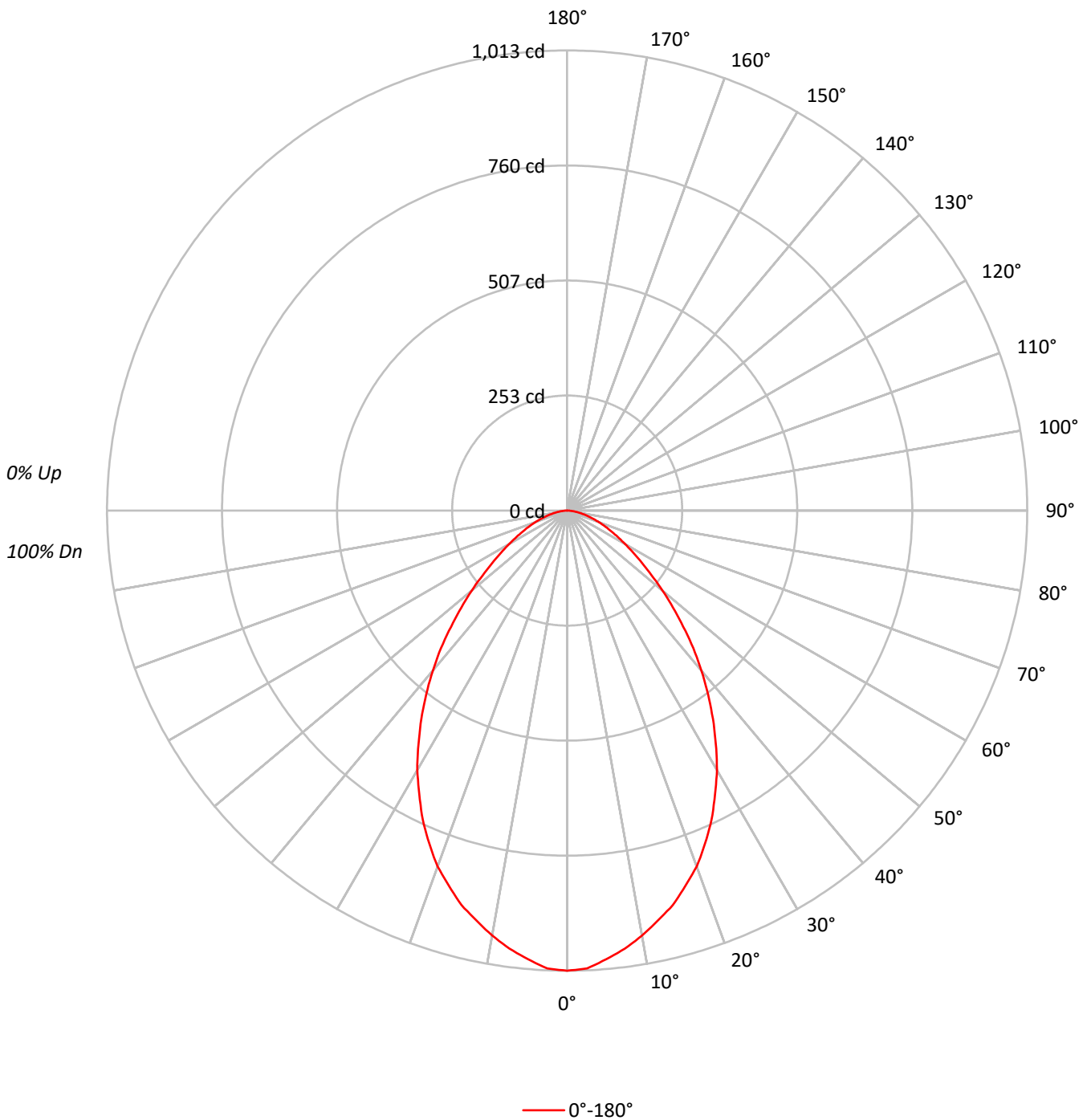
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72533
5°	71250
10°	69064
15°	66648
20°	63533
25°	59411
30°	54551
35°	48888
40°	42987
45°	36606
50°	30577
55°	25092
60°	21065
65°	17908
70°	15617
75°	13168
80°	10680
85°	8544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	5.6
10°-20°	252.1	15.1
20°-30°	344.4	20.6
30°-40°	349.0	20.9
40°-50°	279.9	16.7
50°-60°	182.3	10.9
60°-70°	106.5	6.4
70°-80°	51.2	3.1
80°-90°	12.3	0.7
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°	689.8	41.3
0°-40°	1038.9	62.2
0°-60°	1501.1	89.8
0°-90°	1671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1013	
5°	991	93
15°	899	252
25°	752	344
35°	559	349
45°	362	280
55°	201	182
65°	106	106
75°	48	51
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1013.0
2.5°	1008.9
5°	991.3
7.5°	972.6
10°	949.9
12.5°	924.0
15°	899.1
17.5°	866.0
20°	833.8
22.5°	793.4
25°	752.0
27.5°	704.4
30°	659.8
32.5°	609.1
35°	559.3
37.5°	509.6
40°	459.9
42.5°	411.2
45°	361.5
47.5°	315.9
50°	274.5
52.5°	234.1
55°	201.0
57.5°	171.9
60°	147.1
62.5°	125.3
65°	105.7
67.5°	89.1
70°	74.6
72.5°	60.1
75°	47.6
77.5°	36.3
80°	25.9
82.5°	17.6
85°	10.4
87.5°	4.1
90°	0.0

(END OF REPORT)