

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: P365512

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1826.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

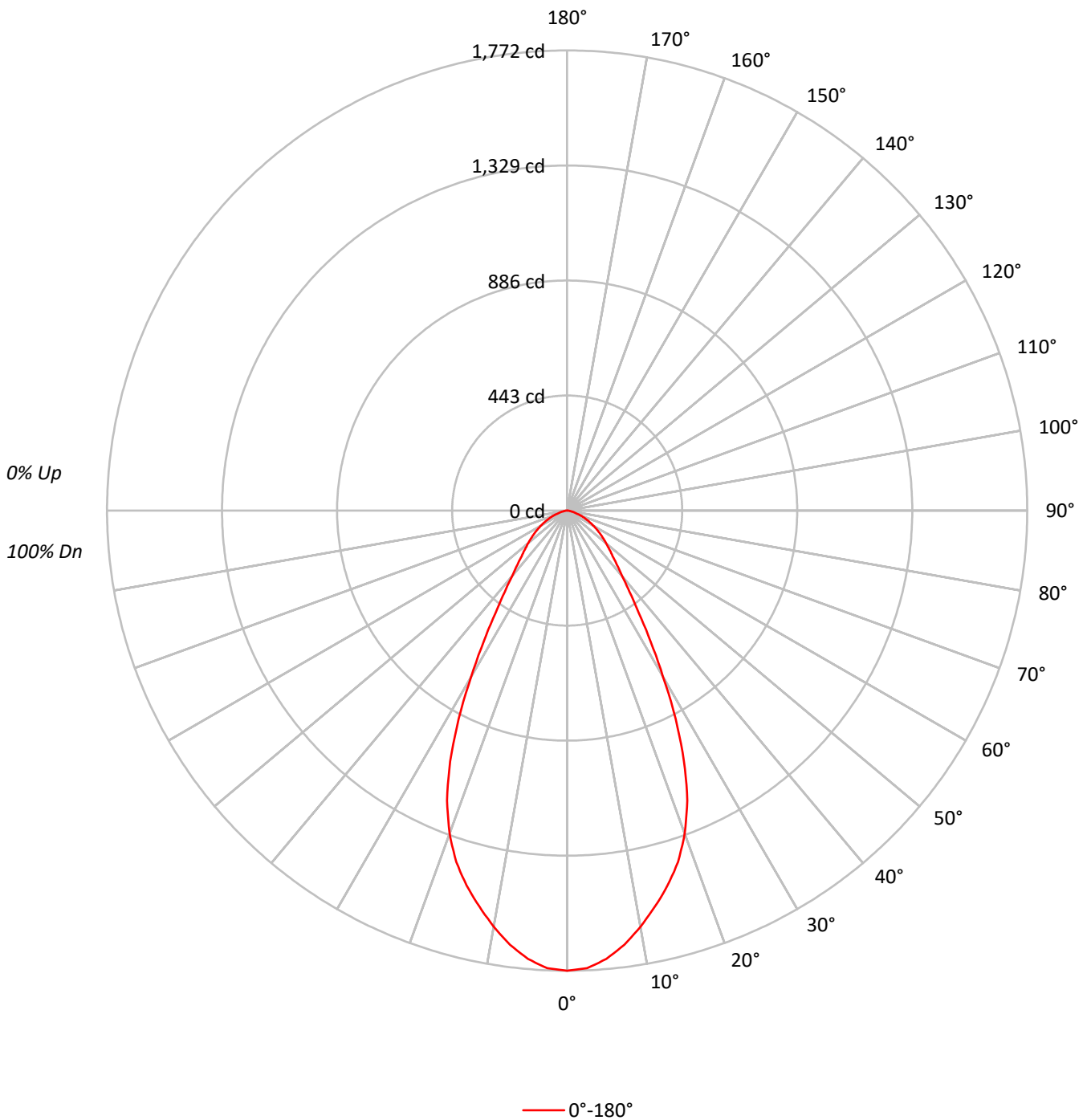
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126878
5°	124538
10°	118301
15°	110791
20°	100870
25°	84147
30°	61017
35°	41983
40°	30864
45°	25052
50°	21788
55°	19249
60°	16755
65°	14198
70°	11493
75°	8299
80°	5567
85°	5915



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	8.9
10°-20°	417.5	22.9
20°-30°	479.1	26.2
30°-40°	310.1	17.0
40°-50°	194.8	10.7
50°-60°	138.6	7.6
60°-70°	83.6	4.6
70°-80°	33.2	1.8
80°-90°	7.2	0.4
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°	1058.5	58.0
0°-40°	1368.6	75.0
0°-60°	1702.0	93.2
0°-90°	1826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1772	
5°	1733	162
15°	1495	417
25°	1065	479
35°	480	310
45°	247	195
55°	154	139
65°	84	84
75°	30	33
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1772.0
2.5°	1763.7
5°	1732.7
7.5°	1686.1
10°	1627.1
12.5°	1561.9
15°	1494.6
17.5°	1419.1
20°	1323.8
22.5°	1208.9
25°	1065.1
27.5°	904.6
30°	738.0
32.5°	597.2
35°	480.3
37.5°	394.4
40°	330.2
42.5°	283.6
45°	247.4
47.5°	219.4
50°	195.6
52.5°	174.9
55°	154.2
57.5°	135.6
60°	117.0
62.5°	100.4
65°	83.8
67.5°	68.3
70°	54.9
72.5°	41.4
75°	30.0
77.5°	20.7
80°	13.5
82.5°	8.3
85°	7.2
87.5°	4.1
90°	0.0

(END OF REPORT)