

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: P365442

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1632.0 lumens
Efficiency: N/A
Efficacy: 60.4 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

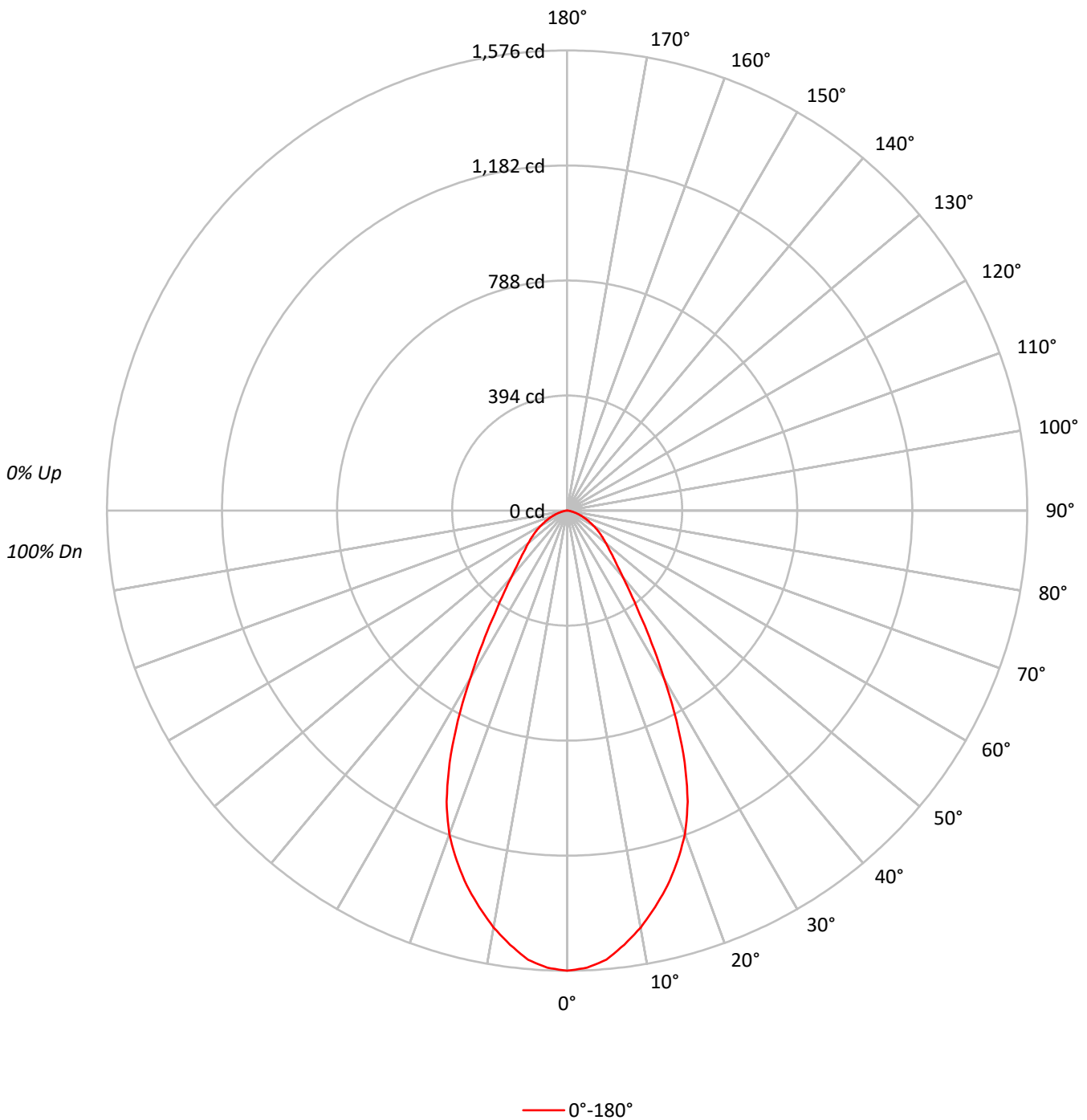
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	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	92	84	77	72	91	82	76	71	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	61
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		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112823
5°	110961
10°	105417
15°	98508
20°	89882
25°	75251
30°	54775
35°	37901
40°	27723
45°	22328
50°	19338
55°	17102
60°	14922
65°	12724
70°	10405
75°	7801
80°	5402
85°	4601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	8.8
10°-20°	371.1	22.7
20°-30°	428.4	26.3
30°-40°	279.4	17.1
40°-50°	173.4	10.6
50°-60°	123.2	7.5
60°-70°	74.9	4.6
70°-80°	31.0	1.9
80°-90°	6.4	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°	943.7	57.8
0°-40°	1223.1	74.9
0°-60°	1519.7	93.1
0°-90°	1632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1576	
5°	1544	144
15°	1329	371
25°	952	428
35°	434	279
45°	220	173
55°	137	123
65°	75	75
75°	28	31
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1575.7
2.5°	1567.2
5°	1543.8
7.5°	1499.6
10°	1449.9
12.5°	1390.8
15°	1328.9
17.5°	1257.5
20°	1179.6
22.5°	1079.2
25°	952.5
27.5°	810.8
30°	662.5
32.5°	538.7
35°	433.6
37.5°	355.7
40°	296.6
42.5°	252.4
45°	220.5
47.5°	194.3
50°	173.6
52.5°	154.8
55°	137.0
57.5°	121.1
60°	104.2
62.5°	89.2
65°	75.1
67.5°	61.9
70°	49.7
72.5°	38.5
75°	28.2
77.5°	19.7
80°	13.1
82.5°	8.4
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)