

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: P365476

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365476
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-FEU6B35-8035-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: 1764.0 lumens
Efficiency: N/A
Efficacy: 65.3 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

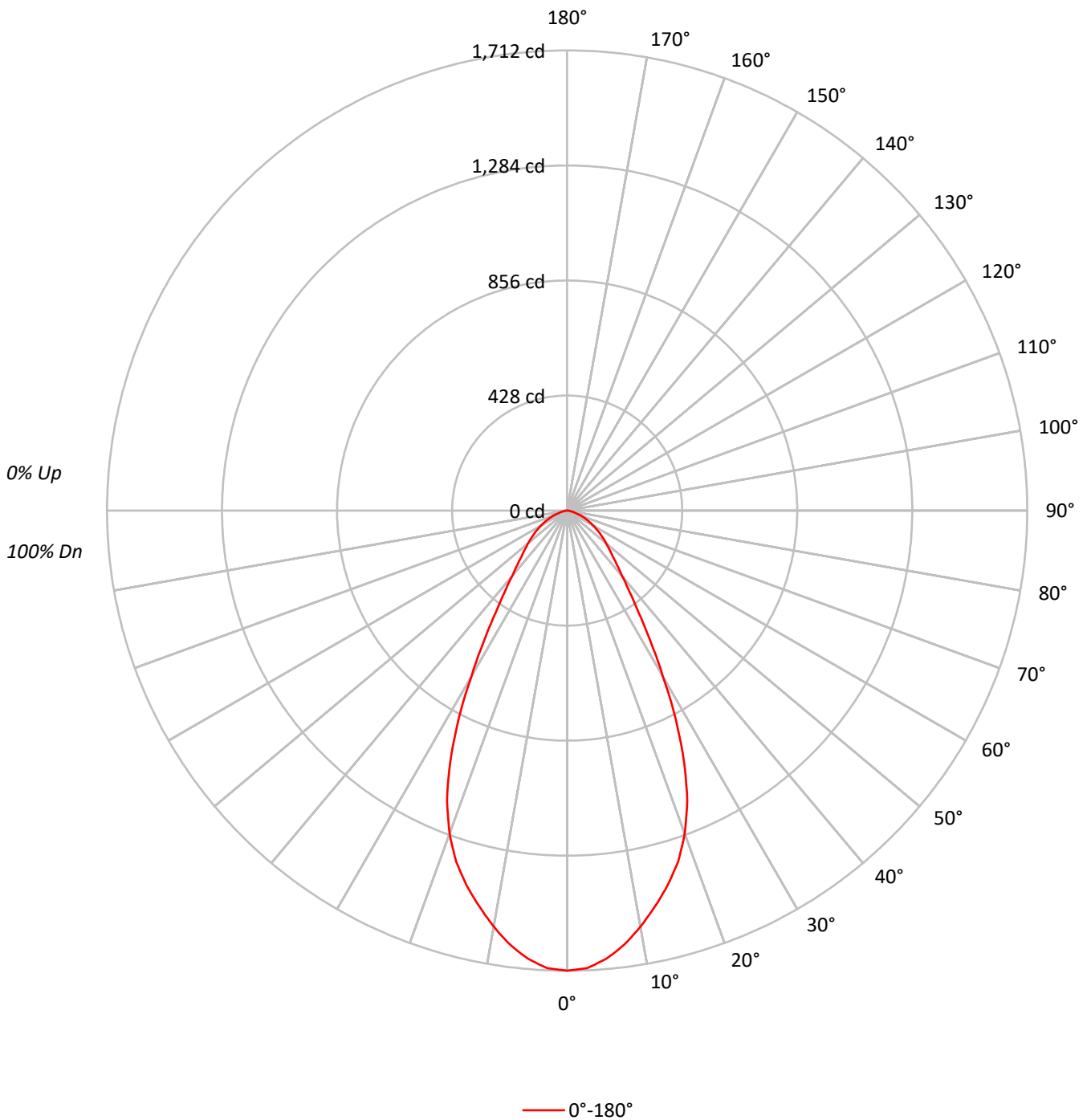
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	122568
5°	120312
10°	114287
15°	107033
20°	97448
25°	81287
30°	58942
35°	40558
40°	29817
45°	24201
50°	21053
55°	18600
60°	16182
65°	13723
70°	11096
75°	8023
80°	5360
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	8.9
10°-20°	403.3	22.9
20°-30°	462.8	26.2
30°-40°	299.5	17.0
40°-50°	188.2	10.7
50°-60°	133.9	7.6
60°-70°	80.8	4.6
70°-80°	32.1	1.8
80°-90°	6.9	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°	1022.6	58.0
0°-40°	1322.1	74.9
0°-60°	1644.2	93.2
0°-90°	1764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1712	
5°	1674	157
15°	1444	403
25°	1029	463
35°	464	300
45°	239	188
55°	149	134
65°	81	81
75°	29	32
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1711.8
2.5°	1703.8
5°	1673.9
7.5°	1628.9
10°	1571.9
12.5°	1508.9
15°	1443.9
17.5°	1370.9
20°	1278.9
22.5°	1167.9
25°	1028.9
27.5°	873.9
30°	712.9
32.5°	576.9
35°	464.0
37.5°	381.0
40°	319.0
42.5°	274.0
45°	239.0
47.5°	212.0
50°	189.0
52.5°	169.0
55°	149.0
57.5°	131.0
60°	113.0
62.5°	97.0
65°	81.0
67.5°	66.0
70°	53.0
72.5°	40.0
75°	29.0
77.5°	20.0
80°	13.0
82.5°	8.0
85°	7.0
87.5°	4.0
90°	0.0

(END OF REPORT)