

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: P365509

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
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-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1629.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

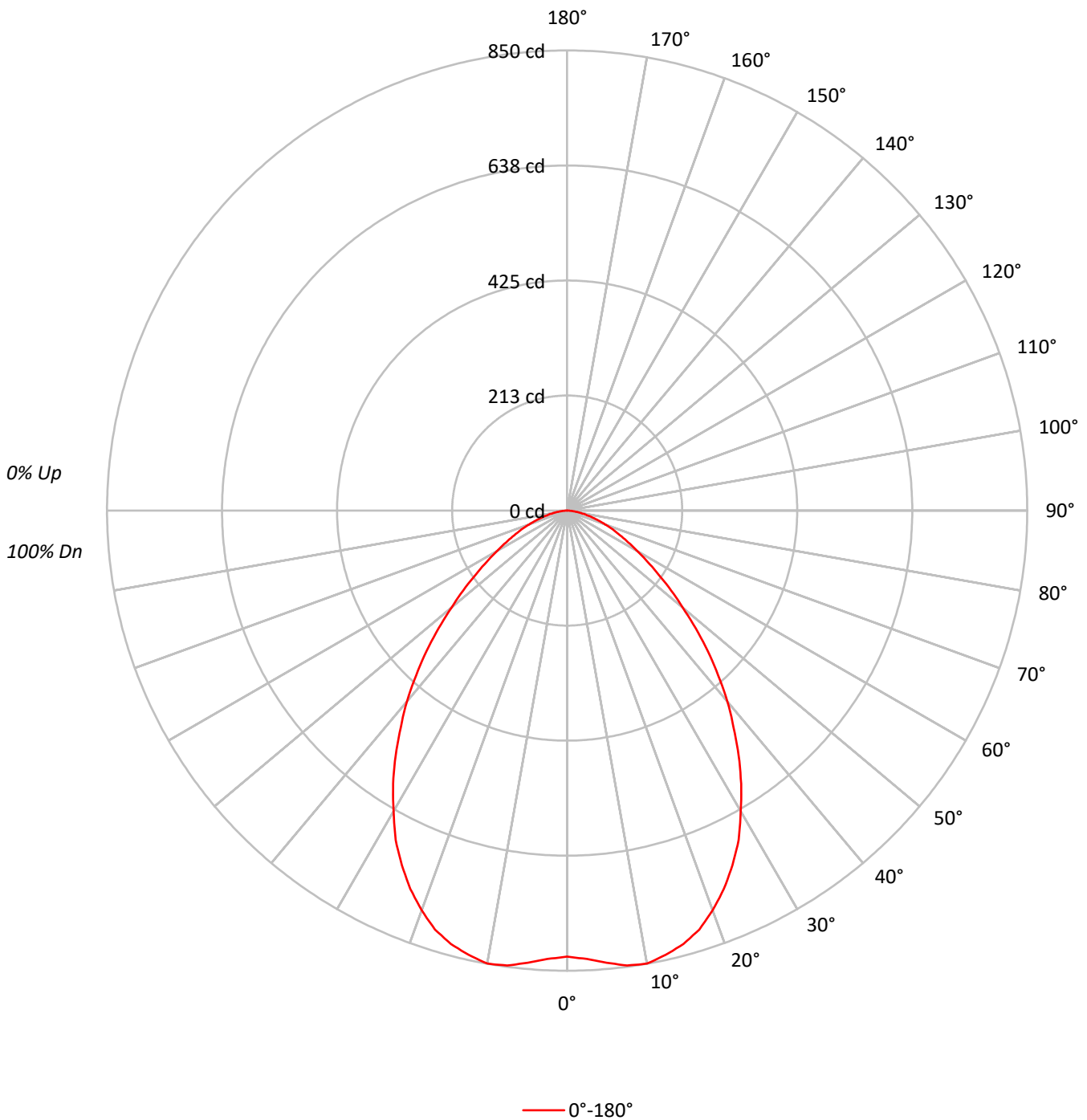
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58986
5°	60253
10°	61779
15°	61452
20°	59853
25°	57072
30°	53047
35°	48303
40°	43043
45°	37203
50°	31012
55°	25703
60°	21495
65°	18230
70°	15597
75°	12892
80°	10226
85°	7640



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	4.9
10°-20°	232.9	14.3
20°-30°	331.2	20.3
30°-40°	344.3	21.1
40°-50°	283.0	17.4
50°-60°	186.9	11.5
60°-70°	108.3	6.6
70°-80°	50.4	3.1
80°-90°	11.5	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°	644.5	39.6
0°-40°	988.8	60.7
0°-60°	1458.7	89.5
0°-90°	1629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	838	80
15°	829	233
25°	722	331
35°	553	344
45°	367	283
55°	206	187
65°	108	108
75°	47	50
85°	9	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	823.8
2.5°	829.0
5°	838.3
7.5°	847.6
10°	849.7
12.5°	840.4
15°	829.0
17.5°	811.4
20°	785.5
22.5°	756.5
25°	722.4
27.5°	686.1
30°	641.6
32.5°	598.2
35°	552.6
37.5°	505.0
40°	460.5
42.5°	412.9
45°	367.4
47.5°	321.9
50°	278.4
52.5°	242.2
55°	205.9
57.5°	175.9
60°	150.1
62.5°	127.3
65°	107.6
67.5°	91.1
70°	74.5
72.5°	60.0
75°	46.6
77.5°	35.2
80°	24.8
82.5°	16.6
85°	9.3
87.5°	4.1
90°	0.0

(END OF REPORT)