

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: P365508

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1795.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

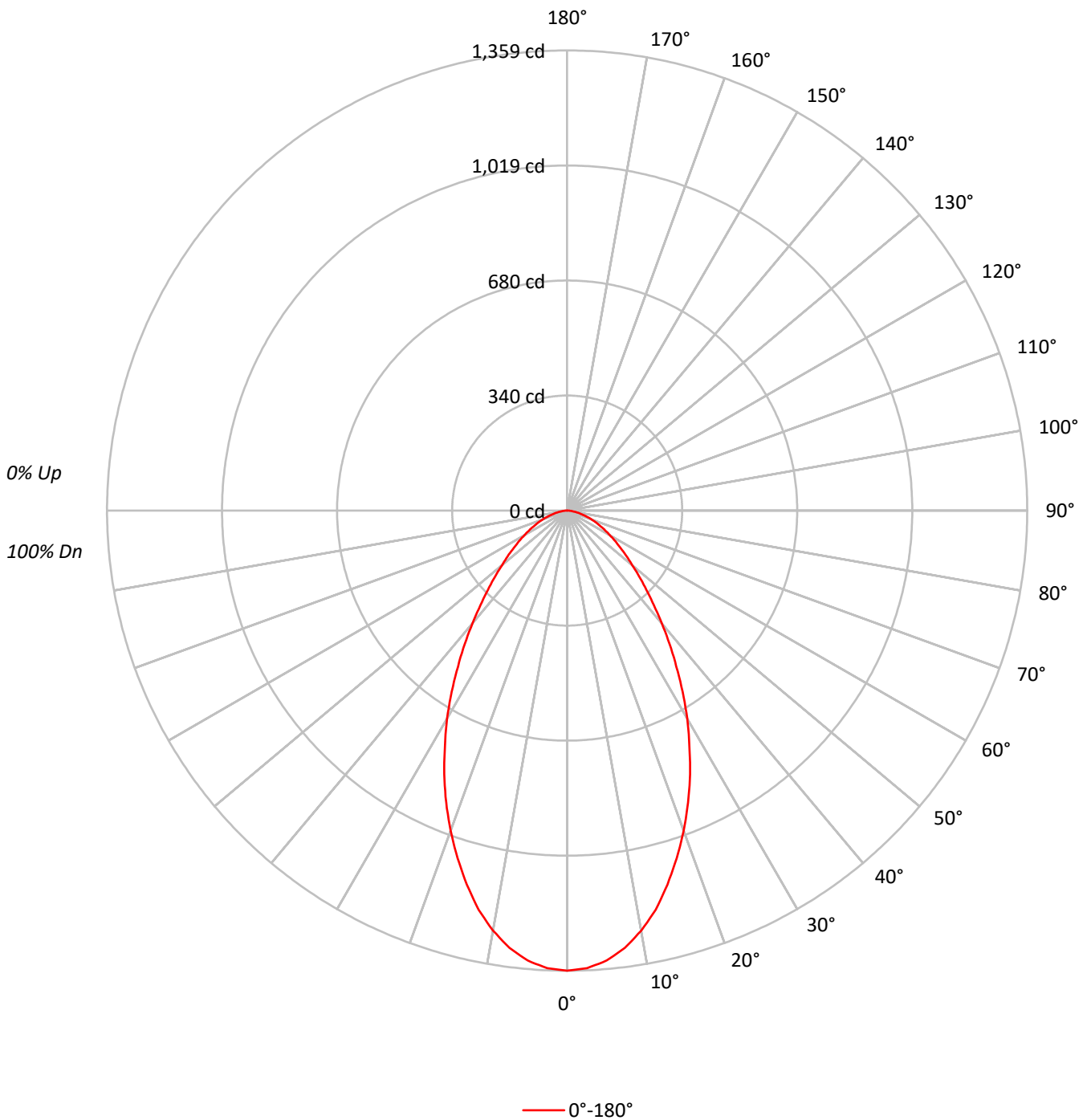
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97293
5°	95882
10°	91574
15°	84772
20°	76647
25°	67864
30°	58611
35°	49116
40°	40631
45°	33537
50°	28015
55°	24031
60°	20893
65°	18416
70°	16036
75°	13445
80°	11092
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	7.0
10°-20°	319.5	17.8
20°-30°	393.0	21.9
30°-40°	352.3	19.6
40°-50°	257.9	14.4
50°-60°	174.4	9.7
60°-70°	108.3	6.0
70°-80°	52.3	2.9
80°-90°	12.4	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°	837.4	46.7
0°-40°	1189.7	66.3
0°-60°	1622.0	90.4
0°-90°	1795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1359	
5°	1334	125
15°	1144	319
25°	859	393
35°	562	352
45°	331	258
55°	192	174
65°	109	108
75°	49	52
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1358.8
2.5°	1352.6
5°	1334.0
7.5°	1302.9
10°	1259.5
12.5°	1207.7
15°	1143.6
17.5°	1076.3
20°	1005.9
22.5°	933.5
25°	859.0
27.5°	781.3
30°	708.9
32.5°	634.4
35°	561.9
37.5°	496.7
40°	434.7
42.5°	378.8
45°	331.2
47.5°	288.7
50°	251.5
52.5°	221.5
55°	192.5
57.5°	168.7
60°	145.9
62.5°	126.3
65°	108.7
67.5°	92.1
70°	76.6
72.5°	62.1
75°	48.6
77.5°	36.2
80°	26.9
82.5°	17.6
85°	10.3
87.5°	4.1
90°	0.0

(END OF REPORT)