

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: P364785

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1188.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

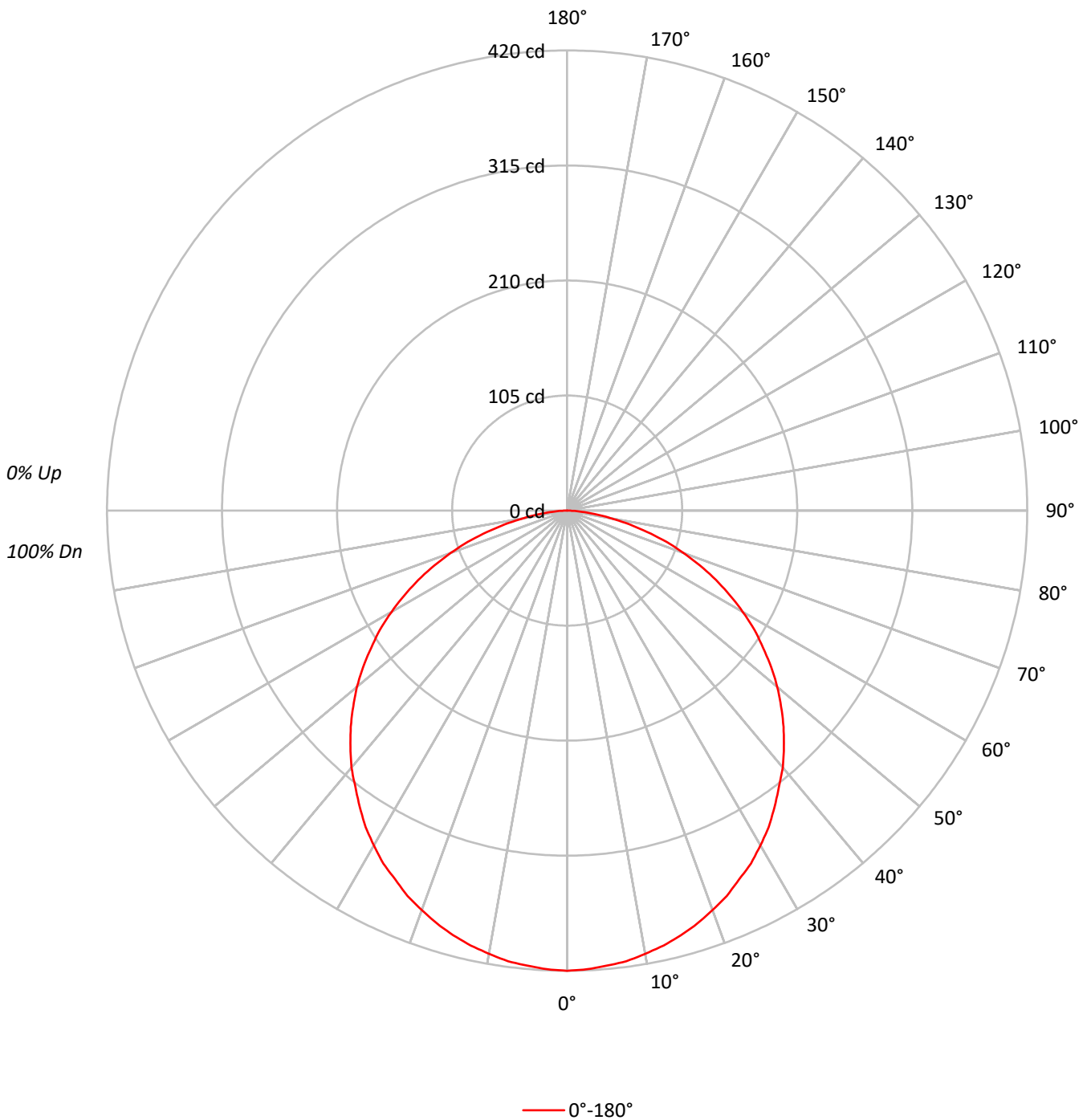
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11475
5°	11434
10°	11391
15°	11351
20°	11278
25°	11194
30°	11128
35°	11004
40°	10918
45°	10789
50°	10641
55°	10396
60°	10118
65°	9695
70°	9009
75°	7968
80°	6512
85°	4231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	3.3
10°-20°	113.2	9.5
20°-30°	171.4	14.4
30°-40°	206.7	17.4
40°-50°	215.3	18.1
50°-60°	195.4	16.5
60°-70°	147.9	12.5
70°-80°	80.6	6.8
80°-90°	17.8	1.5
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°	324.3	27.3
0°-40°	531.0	44.7
0°-60°	941.7	79.3
0°-90°	1188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	417	40
15°	401	113
25°	371	171
35°	330	207
45°	279	215
55°	218	195
65°	150	148
75°	76	81
85°	14	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	420.1
2.5°	419.0
5°	417.0
7.5°	414.9
10°	410.7
12.5°	406.6
15°	401.4
17.5°	395.2
20°	388.0
22.5°	380.7
25°	371.4
27.5°	363.2
30°	352.8
32.5°	342.5
35°	330.0
37.5°	317.6
40°	306.2
42.5°	292.8
45°	279.3
47.5°	264.9
50°	250.4
52.5°	234.9
55°	218.3
57.5°	202.8
60°	185.2
62.5°	167.6
65°	150.0
67.5°	131.4
70°	112.8
72.5°	95.2
75°	75.5
77.5°	57.9
80°	41.4
82.5°	25.9
85°	13.5
87.5°	5.2
90°	0.0

(END OF REPORT)