

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: P366171

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1094.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

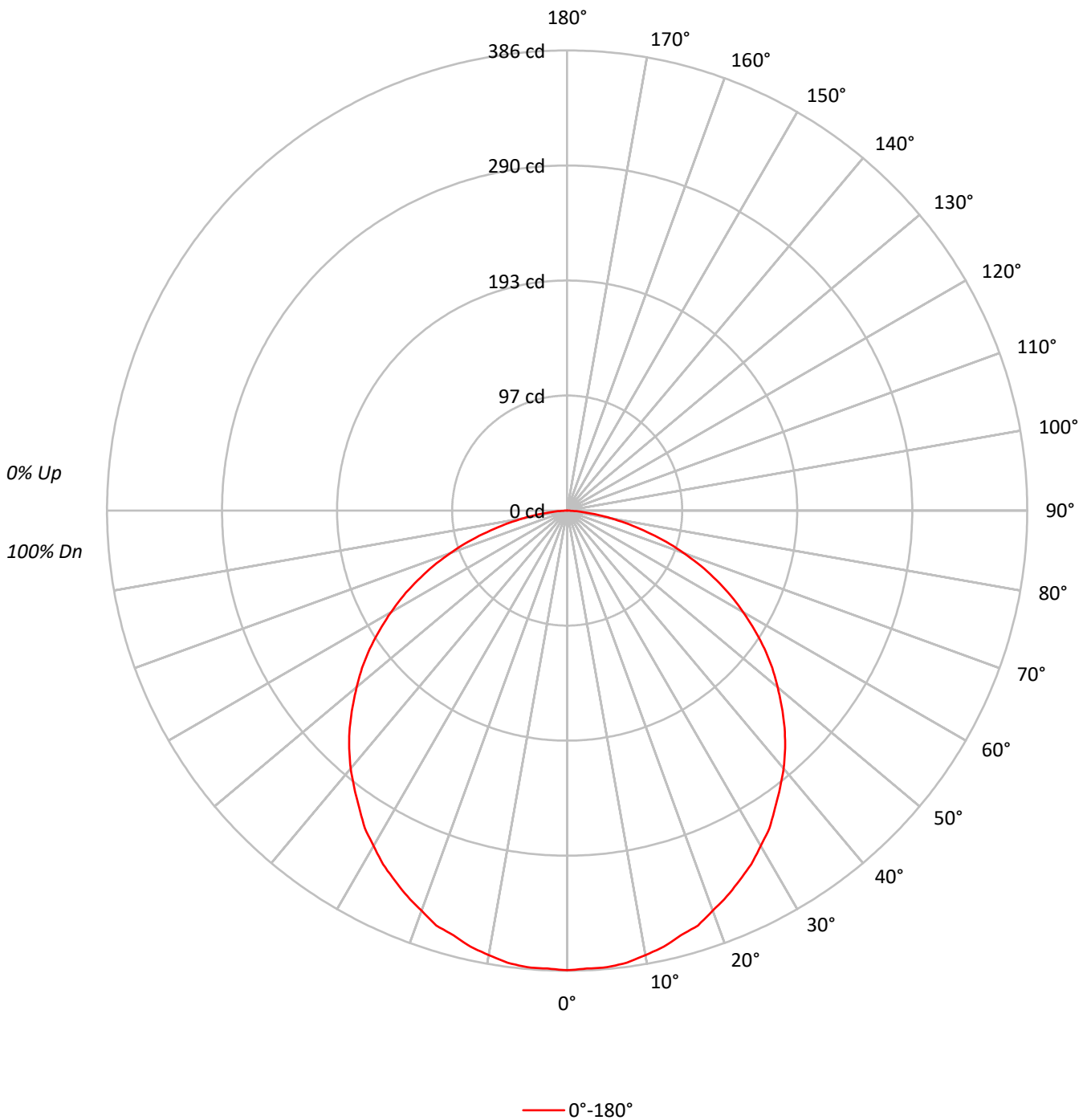
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	94	92		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	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	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°	10530
5°	10543
10°	10501
15°	10429
20°	10380
25°	10317
30°	10241
35°	10140
40°	10073
45°	9966
50°	9795
55°	9625
60°	9325
65°	8939
70°	8306
75°	7345
80°	5867
85°	3385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	3.3
10°-20°	104.3	9.5
20°-30°	157.9	14.4
30°-40°	190.6	17.4
40°-50°	198.8	18.2
50°-60°	180.2	16.5
60°-70°	136.6	12.5
70°-80°	73.9	6.8
80°-90°	15.2	1.4
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°	298.7	27.3
0°-40°	489.3	44.7
0°-60°	868.3	79.4
0°-90°	1094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	386	
5°	384	37
15°	369	104
25°	342	158
35°	304	191
45°	258	199
55°	202	180
65°	138	137
75°	70	74
85°	11	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	385.5
2.5°	384.5
5°	384.5
7.5°	382.6
10°	378.6
12.5°	374.7
15°	368.8
17.5°	364.9
20°	357.1
22.5°	350.2
25°	342.3
27.5°	334.5
30°	324.7
32.5°	315.9
35°	304.1
37.5°	293.3
40°	282.5
42.5°	270.7
45°	258.0
47.5°	244.2
50°	230.5
52.5°	216.8
55°	202.1
57.5°	186.4
60°	170.7
62.5°	155.0
65°	138.3
67.5°	121.6
70°	104.0
72.5°	87.3
75°	69.6
77.5°	53.0
80°	37.3
82.5°	23.5
85°	10.8
87.5°	2.9
90°	0.0

(END OF REPORT)