

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: P366317

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.9 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

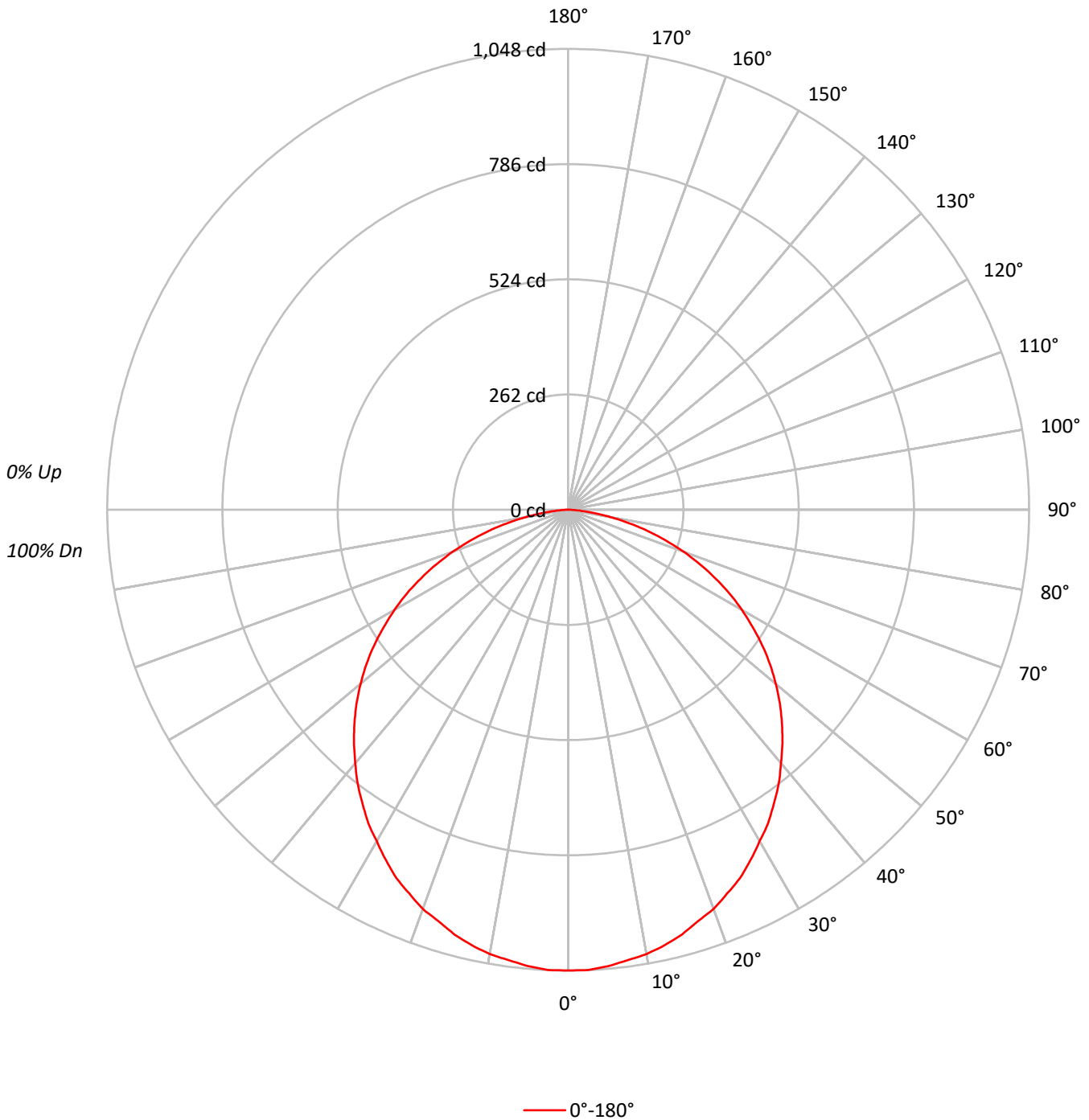
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28621
5°	28571
10°	28458
15°	28276
20°	28092
25°	27858
30°	27456
35°	27187
40°	26843
45°	26554
50°	26185
55°	25678
60°	24928
65°	23856
70°	22282
75°	19788
80°	15777
85°	9559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	3.4
10°-20°	282.0	9.6
20°-30°	425.2	14.5
30°-40°	510.4	17.4
40°-50°	530.1	18.1
50°-60°	481.0	16.4
60°-70°	364.9	12.4
70°-80°	198.2	6.8
80°-90°	41.3	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°	806.1	27.5
0°-40°	1316.4	44.9
0°-60°	2327.5	79.4
0°-90°	2931.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1048	
5°	1042	99
15°	1000	282
25°	924	425
35°	815	510
45°	687	530
55°	539	481
65°	369	365
75°	188	198
85°	30	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1047.8
2.5°	1047.8
5°	1042.0
7.5°	1033.3
10°	1026.0
12.5°	1014.4
15°	999.9
17.5°	981.0
20°	966.4
22.5°	944.6
25°	924.3
27.5°	898.1
30°	870.5
32.5°	845.8
35°	815.3
37.5°	786.2
40°	752.8
42.5°	720.8
45°	687.4
47.5°	652.5
50°	616.2
52.5°	578.4
55°	539.2
57.5°	497.0
60°	456.3
62.5°	414.2
65°	369.1
67.5°	324.1
70°	279.0
72.5°	232.5
75°	187.5
77.5°	142.4
80°	100.3
82.5°	62.5
85°	30.5
87.5°	8.7
90°	0.0

(END OF REPORT)