

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: P364823

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2839.1 lumens
Efficiency: N/A
Efficacy: 69.9 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

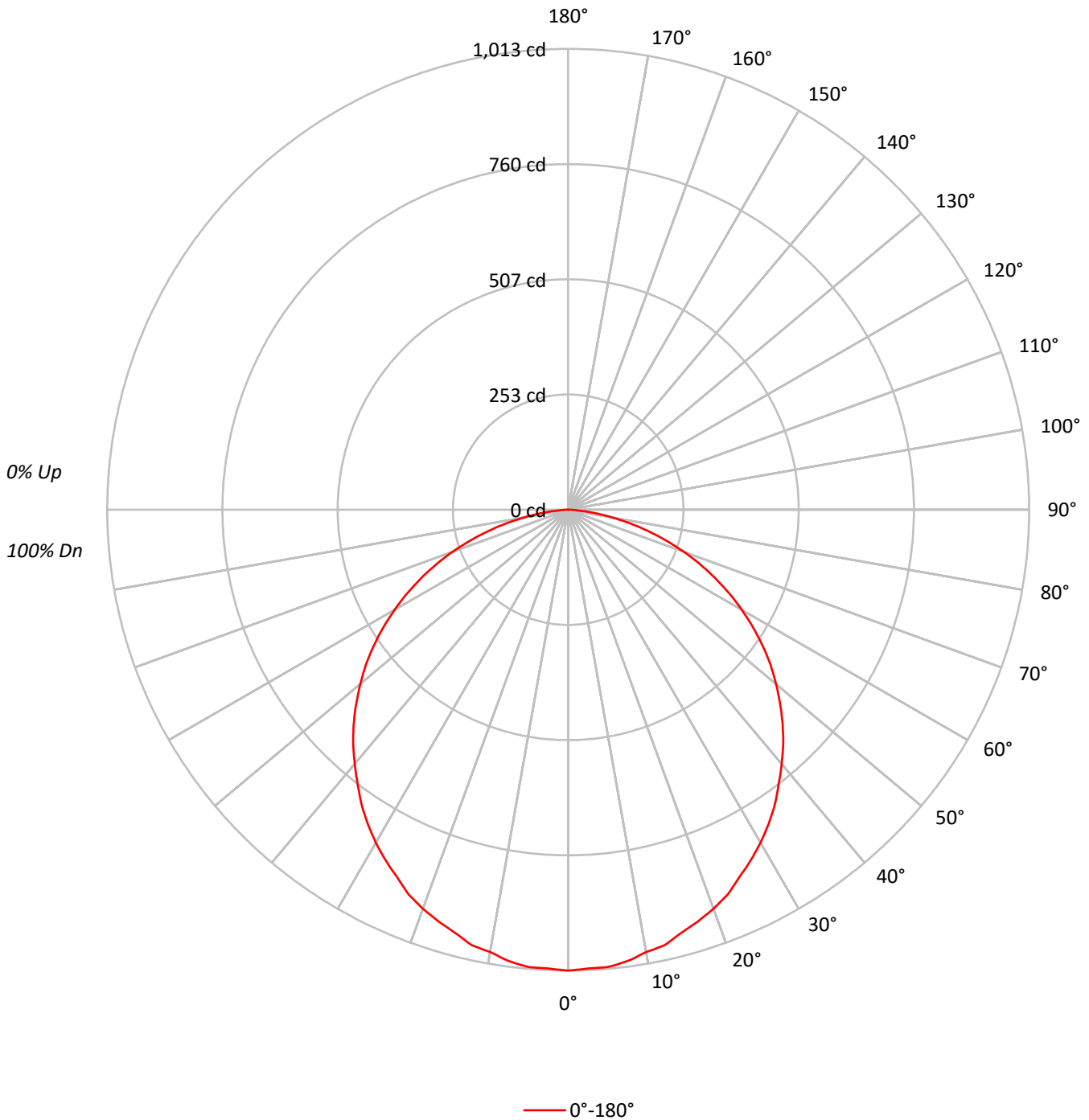
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71	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	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	34	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°	27679
5°	27672
10°	27382
15°	27216
20°	27135
25°	26848
30°	26662
35°	26400
40°	26019
45°	25743
50°	25331
55°	24850
60°	24070
65°	23048
70°	21547
75°	19176
80°	15384
85°	9496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.4
10°-20°	272.1	9.6
20°-30°	411.3	14.5
30°-40°	494.6	17.4
40°-50°	513.7	18.1
50°-60°	465.7	16.4
60°-70°	352.5	12.4
70°-80°	192.5	6.8
80°-90°	41.0	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°	779.0	27.4
0°-40°	1273.6	44.9
0°-60°	2253.0	79.4
0°-90°	2839.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2839.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1013	
5°	1009	96
15°	962	272
25°	891	411
35°	792	495
45°	666	514
55°	522	466
65°	357	353
75°	182	193
85°	30	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1013.3
2.5°	1009.2
5°	1009.2
7.5°	1000.9
10°	987.2
12.5°	980.3
15°	962.4
17.5°	948.6
20°	933.5
22.5°	915.6
25°	890.8
27.5°	868.8
30°	845.3
32.5°	819.2
35°	791.7
37.5°	760.0
40°	729.7
42.5°	699.4
45°	666.4
47.5°	631.9
50°	596.1
52.5°	560.4
55°	521.8
57.5°	481.9
60°	440.6
62.5°	399.3
65°	356.6
67.5°	313.9
70°	269.8
72.5°	225.8
75°	181.7
77.5°	139.1
80°	97.8
82.5°	62.0
85°	30.3
87.5°	9.6
90°	0.0

(END OF REPORT)