

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: P364805

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364805
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-FEU6B35-8027-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: 2716.0 lumens
Efficiency: N/A
Efficacy: 66.9 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

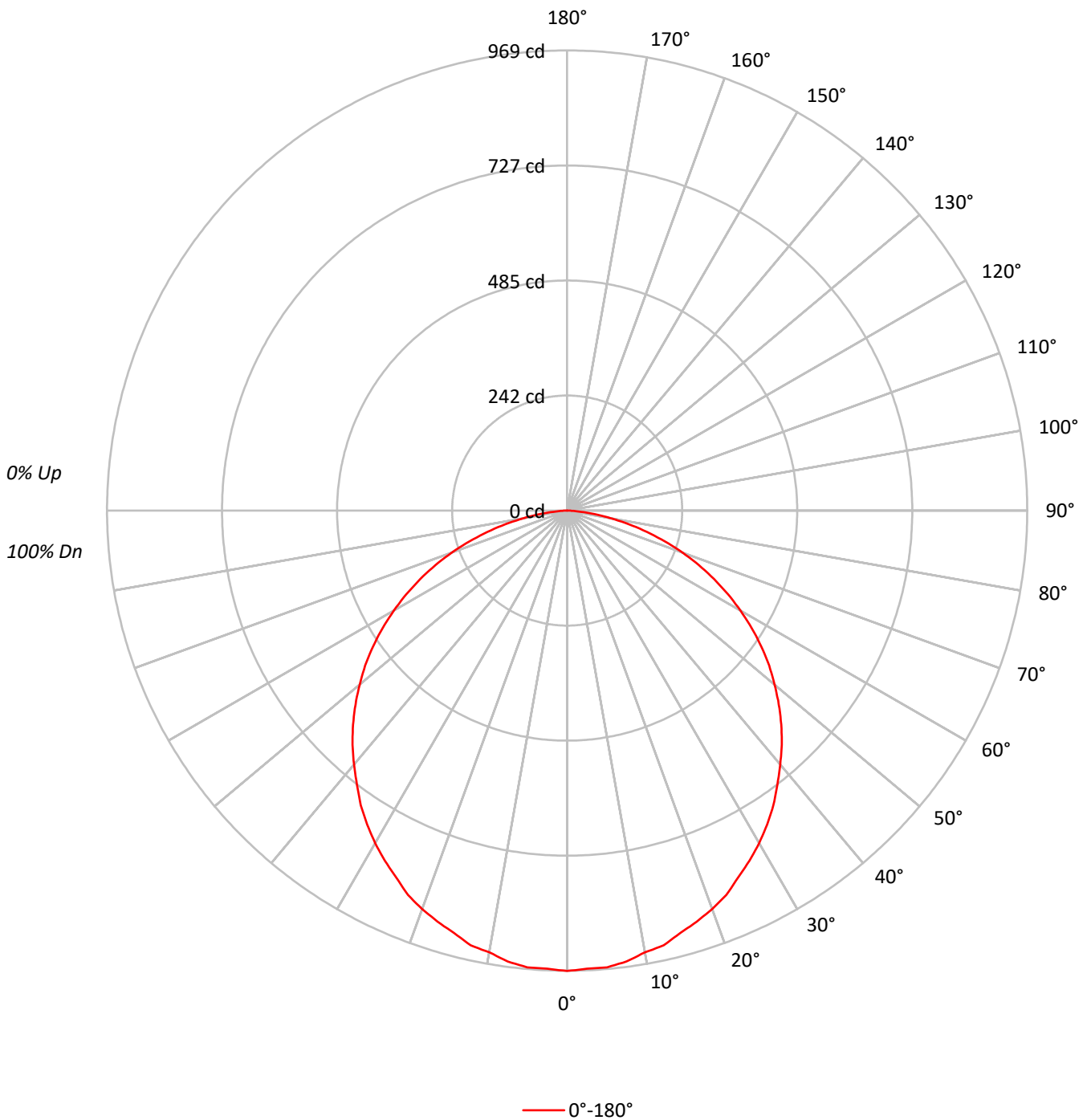
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26479
5°	26474
10°	26194
15°	26036
20°	25958
25°	25685
30°	25507
35°	25256
40°	24893
45°	24626
50°	24235
55°	23773
60°	23027
65°	22046
70°	20621
75°	18353
80°	14708
85°	9089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.4
10°-20°	260.3	9.6
20°-30°	393.4	14.5
30°-40°	473.2	17.4
40°-50°	491.5	18.1
50°-60°	445.6	16.4
60°-70°	337.3	12.4
70°-80°	184.2	6.8
80°-90°	39.2	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°	745.2	27.4
0°-40°	1218.4	44.9
0°-60°	2155.4	79.4
0°-90°	2716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2716.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	966	91
15°	921	260
25°	852	393
35°	757	473
45°	638	491
55°	499	446
65°	341	337
75°	174	184
85°	29	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	969.4
2.5°	965.5
5°	965.5
7.5°	957.6
10°	944.4
12.5°	937.8
15°	920.7
17.5°	907.5
20°	893.0
22.5°	875.9
25°	852.2
27.5°	831.1
30°	808.7
32.5°	783.7
35°	757.4
37.5°	727.1
40°	698.1
42.5°	669.1
45°	637.5
47.5°	604.6
50°	570.3
52.5°	536.1
55°	499.2
57.5°	461.0
60°	421.5
62.5°	382.0
65°	341.1
67.5°	300.3
70°	258.2
72.5°	216.0
75°	173.9
77.5°	133.0
80°	93.5
82.5°	59.3
85°	29.0
87.5°	9.2
90°	0.0

(END OF REPORT)