

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: P364877

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364877
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-FEU6B35-8050-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: 2998.0 lumens
Efficiency: N/A
Efficacy: 73.8 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

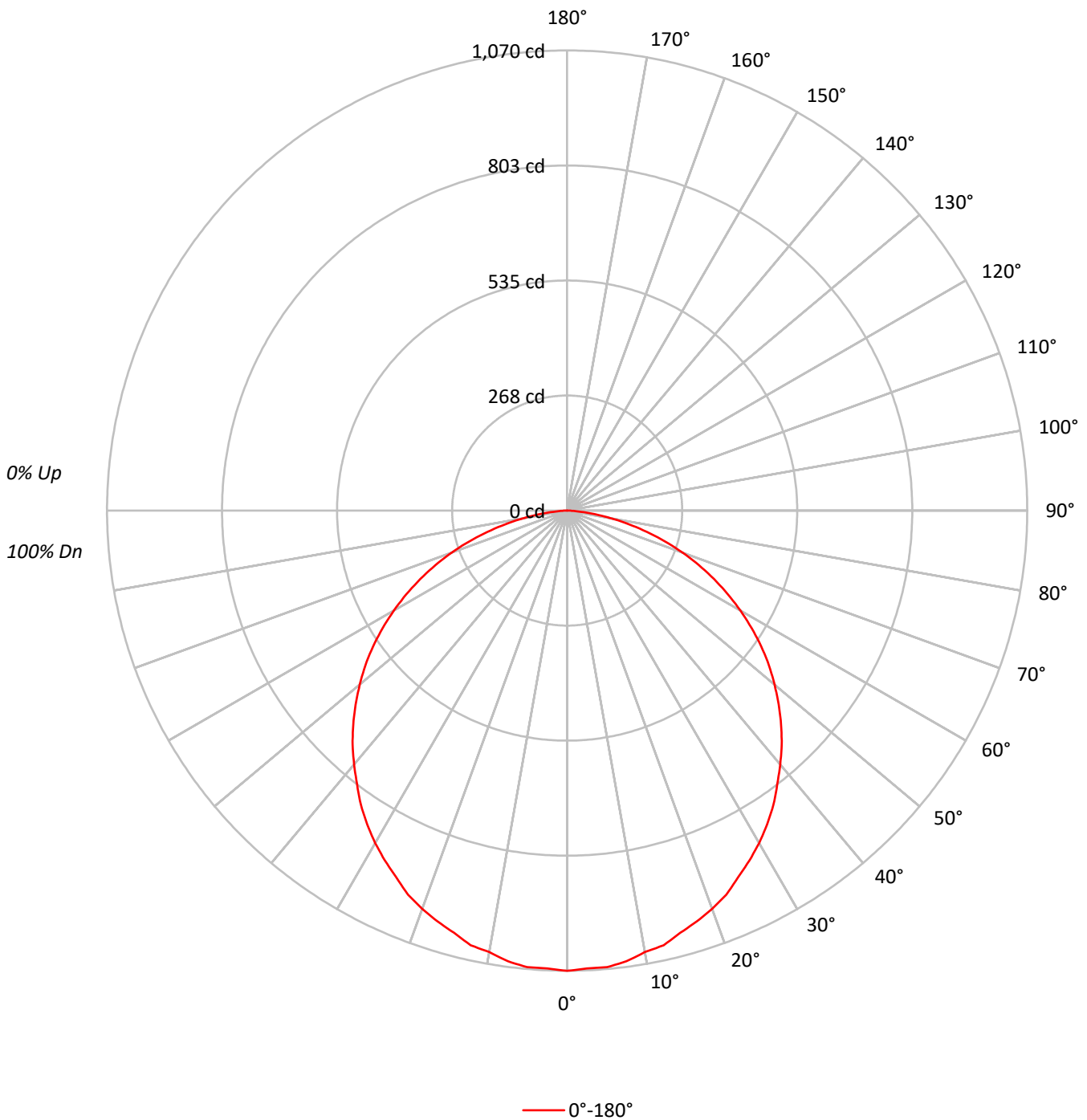
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	29230
5°	29221
10°	28913
15°	28740
20°	28653
25°	28352
30°	28157
35°	27877
40°	27478
45°	27184
50°	26751
55°	26240
60°	25414
65°	24341
70°	22761
75°	20253
80°	16234
85°	10029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	3.4
10°-20°	287.4	9.6
20°-30°	434.3	14.5
30°-40°	522.3	17.4
40°-50°	542.5	18.1
50°-60°	491.8	16.4
60°-70°	372.3	12.4
70°-80°	203.3	6.8
80°-90°	43.3	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°	822.6	27.4
0°-40°	1344.9	44.9
0°-60°	2379.1	79.4
0°-90°	2998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2998.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1070	
5°	1066	101
15°	1016	287
25°	941	434
35°	836	522
45°	704	542
55°	551	492
65°	377	372
75°	192	203
85°	32	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1070.1
2.5°	1065.7
5°	1065.7
7.5°	1057.0
10°	1042.4
12.5°	1035.2
15°	1016.3
17.5°	1001.7
20°	985.7
22.5°	966.8
25°	940.7
27.5°	917.4
30°	892.7
32.5°	865.1
35°	836.0
37.5°	802.5
40°	770.6
42.5°	738.6
45°	703.7
47.5°	667.3
50°	629.5
52.5°	591.7
55°	551.0
57.5°	508.9
60°	465.2
62.5°	421.6
65°	376.6
67.5°	331.5
70°	285.0
72.5°	238.4
75°	191.9
77.5°	146.8
80°	103.2
82.5°	65.4
85°	32.0
87.5°	10.2
90°	0.0

(END OF REPORT)