

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: P364841

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364841
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-FEU6B35-8035-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: 2895.9 lumens
Efficiency: N/A
Efficacy: 71.3 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

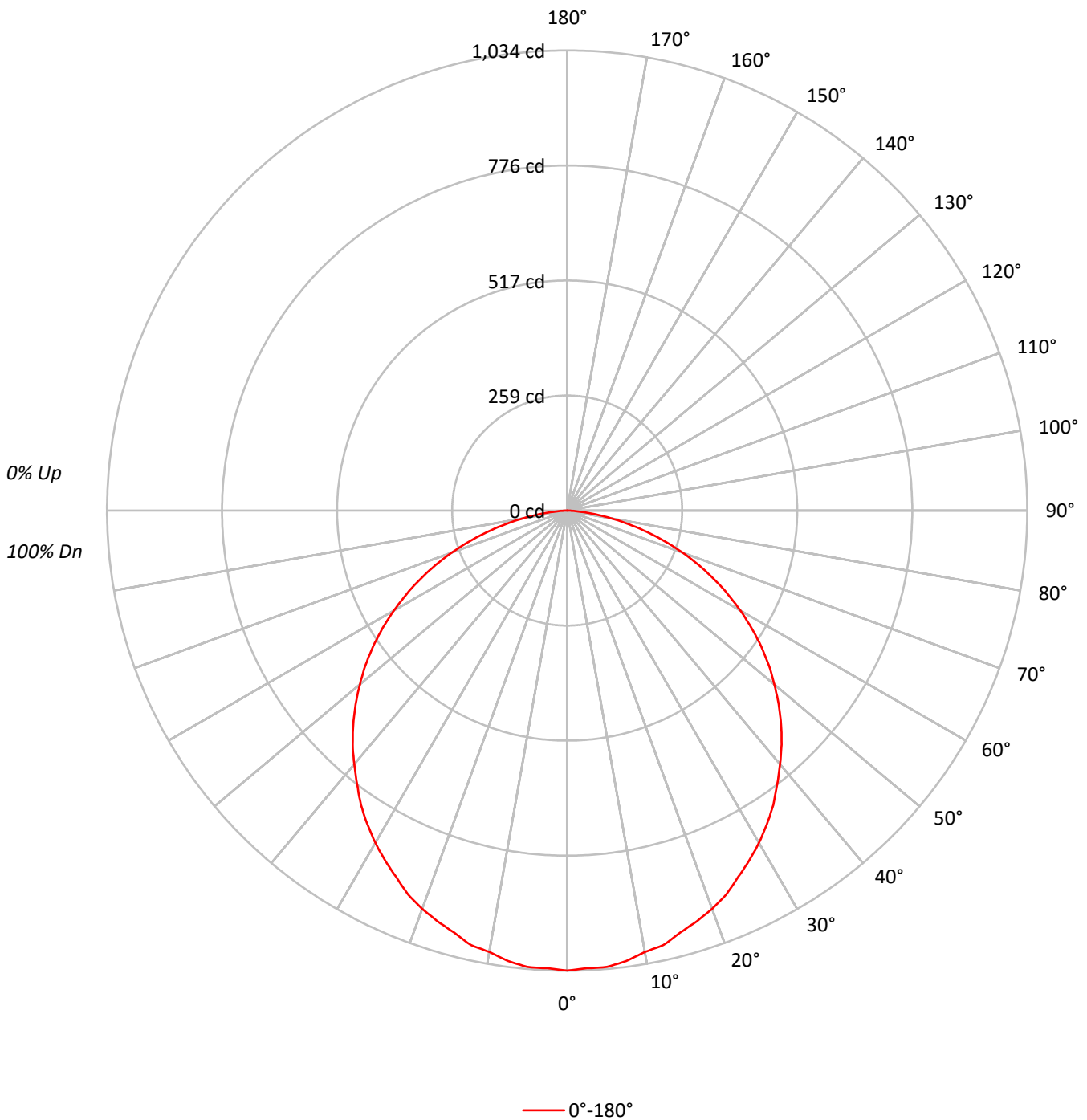
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28236
5°	28226
10°	27931
15°	27761
20°	27679
25°	27387
30°	27198
35°	26927
40°	26540
45°	26257
50°	25841
55°	25350
60°	24551
65°	23507
70°	21987
75°	19567
80°	15683
85°	9684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	3.4
10°-20°	277.6	9.6
20°-30°	419.5	14.5
30°-40°	504.5	17.4
40°-50°	524.0	18.1
50°-60°	475.1	16.4
60°-70°	359.6	12.4
70°-80°	196.4	6.8
80°-90°	41.8	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
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0°-30°	794.6	27.4
0°-40°	1299.1	44.9
0°-60°	2298.2	79.4
0°-90°	2895.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2895.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	1029	98
15°	982	278
25°	909	420
35°	808	504
45°	680	524
55°	532	475
65°	364	360
75°	185	196
85°	31	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1033.7
2.5°	1029.4
5°	1029.4
7.5°	1021.0
10°	1007.0
12.5°	1000.0
15°	981.7
17.5°	967.7
20°	952.2
22.5°	933.9
25°	908.7
27.5°	886.2
30°	862.3
32.5°	835.6
35°	807.5
37.5°	775.2
40°	744.3
42.5°	713.4
45°	679.7
47.5°	644.6
50°	608.1
52.5°	571.6
55°	532.3
57.5°	491.5
60°	449.4
62.5°	407.3
65°	363.7
67.5°	320.2
70°	275.3
72.5°	230.3
75°	185.4
77.5°	141.8
80°	99.7
82.5°	63.2
85°	30.9
87.5°	9.8
90°	0.0

(END OF REPORT)