

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: P365561

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2532.0 lumens
Efficiency: N/A
Efficacy: 62.4 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

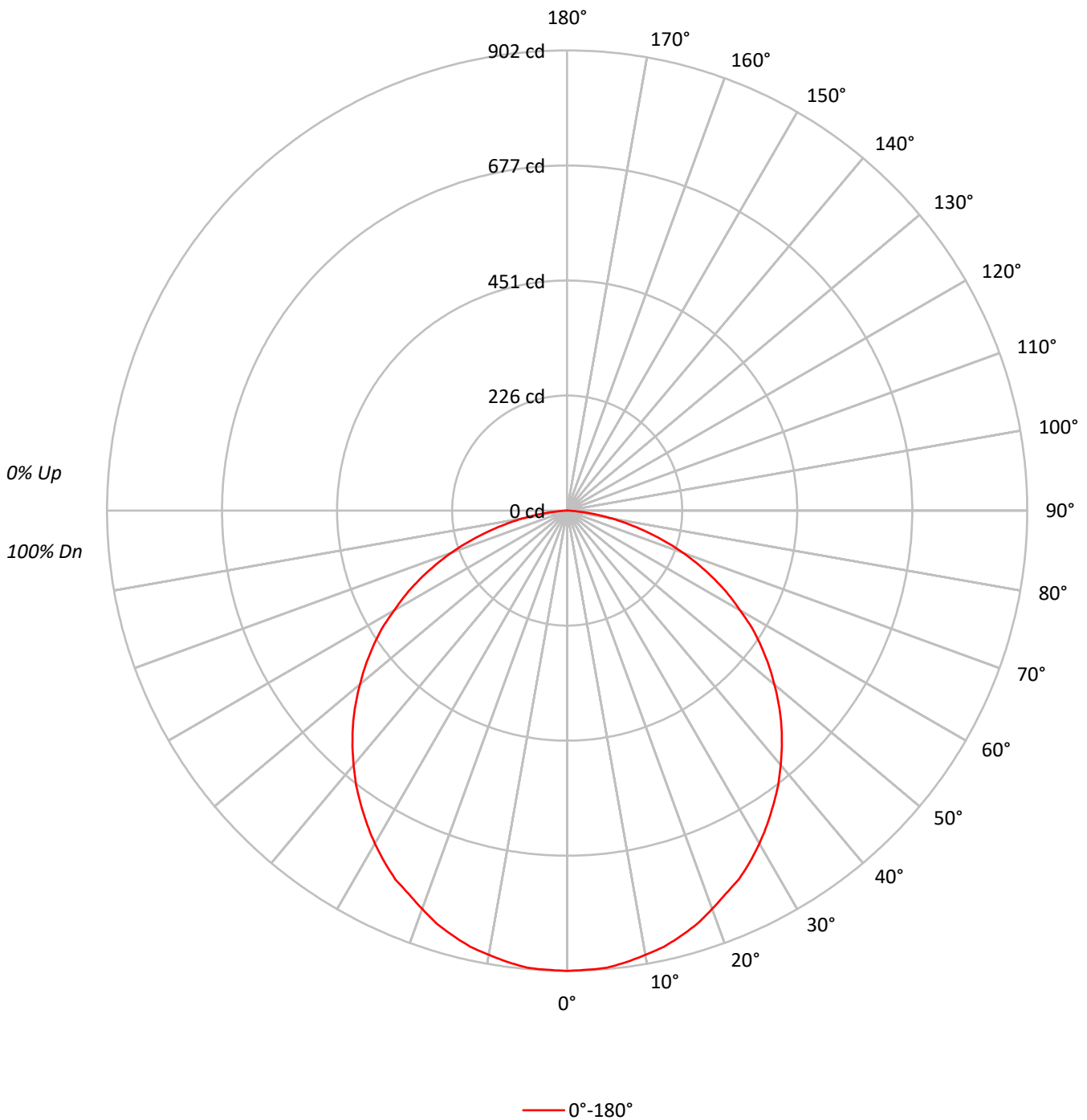
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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°	24649
5°	24667
10°	24525
15°	24407
20°	24153
25°	24027
30°	23772
35°	23492
40°	23220
45°	22934
50°	22544
55°	22126
60°	21393
65°	20592
70°	19279
75°	17182
80°	13906
85°	8368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	3.4
10°-20°	243.4	9.6
20°-30°	366.7	14.5
30°-40°	441.0	17.4
40°-50°	457.7	18.1
50°-60°	414.8	16.4
60°-70°	314.8	12.4
70°-80°	172.2	6.8
80°-90°	36.0	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°	695.5	27.5
0°-40°	1136.5	44.9
0°-60°	2009.0	79.3
0°-90°	2532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	902	
5°	900	85
15°	863	243
25°	797	367
35°	704	441
45°	594	458
55°	465	415
65°	319	315
75°	163	172
85°	27	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	902.4
2.5°	901.0
5°	899.6
7.5°	892.6
10°	884.2
12.5°	875.8
15°	863.1
17.5°	849.1
20°	830.9
22.5°	812.6
25°	797.2
27.5°	776.1
30°	753.7
32.5°	729.8
35°	704.5
37.5°	679.3
40°	651.2
42.5°	623.1
45°	593.7
47.5°	562.8
50°	530.5
52.5°	498.2
55°	464.6
57.5°	430.9
60°	391.6
62.5°	356.5
65°	318.6
67.5°	280.7
70°	241.4
72.5°	202.1
75°	162.8
77.5°	123.5
80°	88.4
82.5°	54.7
85°	26.7
87.5°	7.0
90°	0.0

(END OF REPORT)