

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: P365583

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

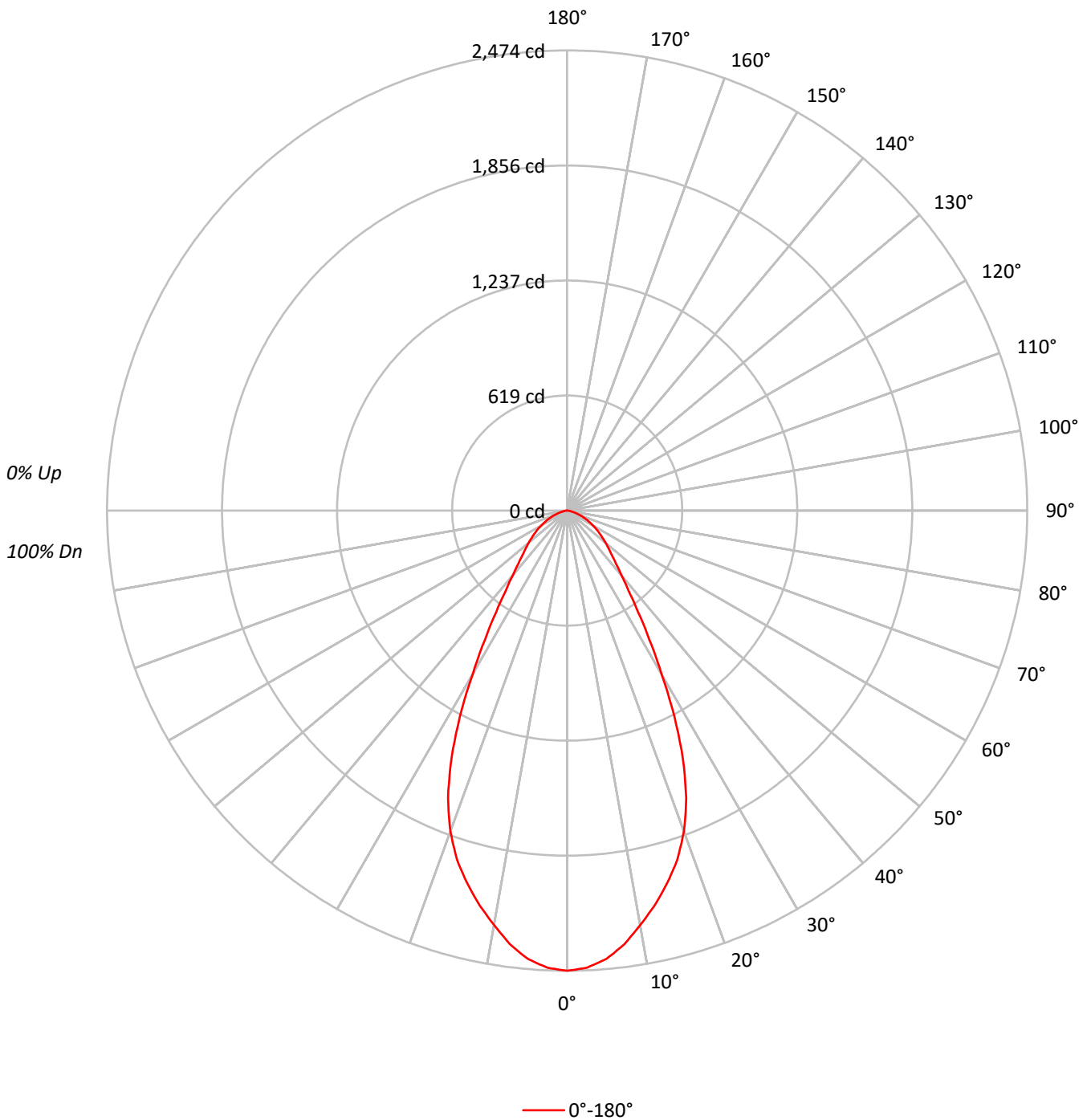
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177136
5°	173938
10°	164491
15°	153822
20°	139837
25°	116396
30°	84018
35°	58058
40°	42454
45°	34489
50°	30043
55°	26402
60°	22970
65°	19484
70°	15743
75°	10983
80°	7010
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	9.0
10°-20°	579.8	23.0
20°-30°	662.2	26.3
30°-40°	427.1	16.9
40°-50°	268.2	10.6
50°-60°	190.2	7.5
60°-70°	114.6	4.5
70°-80°	44.3	1.8
80°-90°	9.7	0.4
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°	1467.9	58.2
0°-40°	1895.0	75.1
0°-60°	2353.4	93.3
0°-90°	2522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2522.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2474	
5°	2420	226
15°	2075	580
25°	1473	662
35°	664	427
45°	341	268
55°	212	190
65°	115	115
75°	40	44
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2473.9
2.5°	2459.7
5°	2420.0
7.5°	2351.8
10°	2262.4
12.5°	2174.4
15°	2075.1
17.5°	1968.6
20°	1835.2
22.5°	1673.4
25°	1473.3
27.5°	1247.6
30°	1016.2
32.5°	821.8
35°	664.2
37.5°	542.2
40°	454.2
42.5°	390.3
45°	340.6
47.5°	302.3
50°	269.7
52.5°	239.9
55°	211.5
57.5°	185.9
60°	160.4
62.5°	137.7
65°	115.0
67.5°	93.7
70°	75.2
72.5°	55.4
75°	39.7
77.5°	27.0
80°	17.0
82.5°	11.4
85°	9.9
87.5°	5.7
90°	0.0

(END OF REPORT)