

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: P365585

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2426.0 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

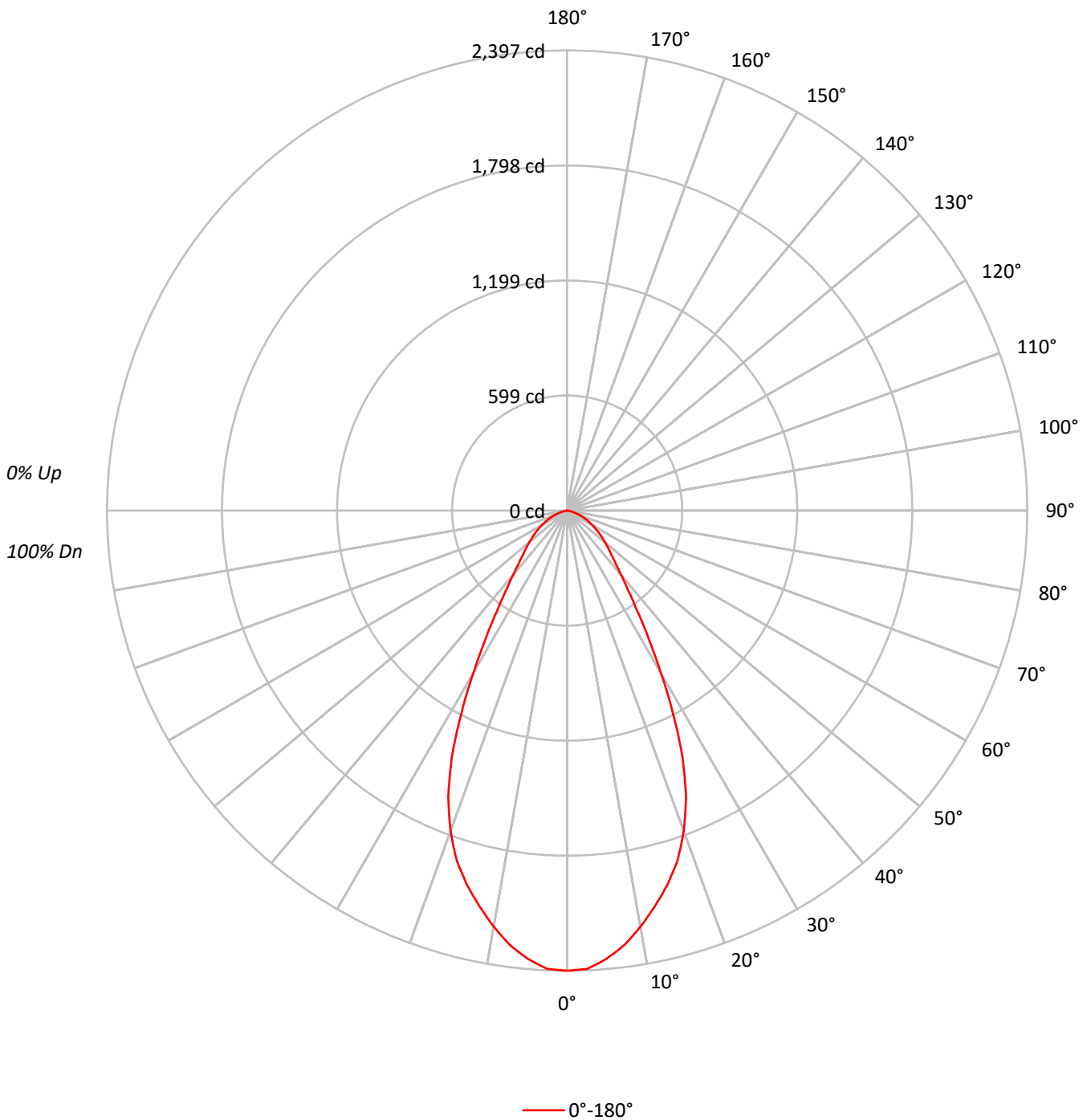
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171601
5°	168483
10°	160005
15°	149553
20°	135341
25°	112391
30°	80645
35°	55348
40°	40743
45°	32920
50°	28628
55°	25167
60°	21753
65°	18518
70°	14571
75°	10208
80°	6432
85°	6983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	9.0
10°-20°	562.9	23.2
20°-30°	638.5	26.3
30°-40°	409.3	16.9
40°-50°	256.5	10.6
50°-60°	180.9	7.5
60°-70°	108.7	4.5
70°-80°	41.5	1.7
80°-90°	8.3	0.3
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°	1420.8	58.6
0°-40°	1830.0	75.4
0°-60°	2267.5	93.5
0°-90°	2426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2426.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2397	
5°	2344	219
15°	2018	563
25°	1423	639
35°	633	409
45°	325	257
55°	202	181
65°	109	109
75°	37	41
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2396.6
2.5°	2389.5
5°	2344.1
7.5°	2283.0
10°	2200.7
12.5°	2111.2
15°	2017.5
17.5°	1911.0
20°	1776.2
22.5°	1618.6
25°	1422.6
27.5°	1196.9
30°	975.4
32.5°	788.0
35°	633.2
37.5°	521.1
40°	435.9
42.5°	373.4
45°	325.1
47.5°	289.6
50°	257.0
52.5°	228.6
55°	201.6
57.5°	176.1
60°	151.9
62.5°	130.6
65°	109.3
67.5°	89.4
70°	69.6
72.5°	52.5
75°	36.9
77.5°	25.6
80°	15.6
82.5°	9.9
85°	8.5
87.5°	4.3
90°	0.0

(END OF REPORT)