

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: P365586

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2470.0 lumens
Efficiency: N/A
Efficacy: 60.8 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

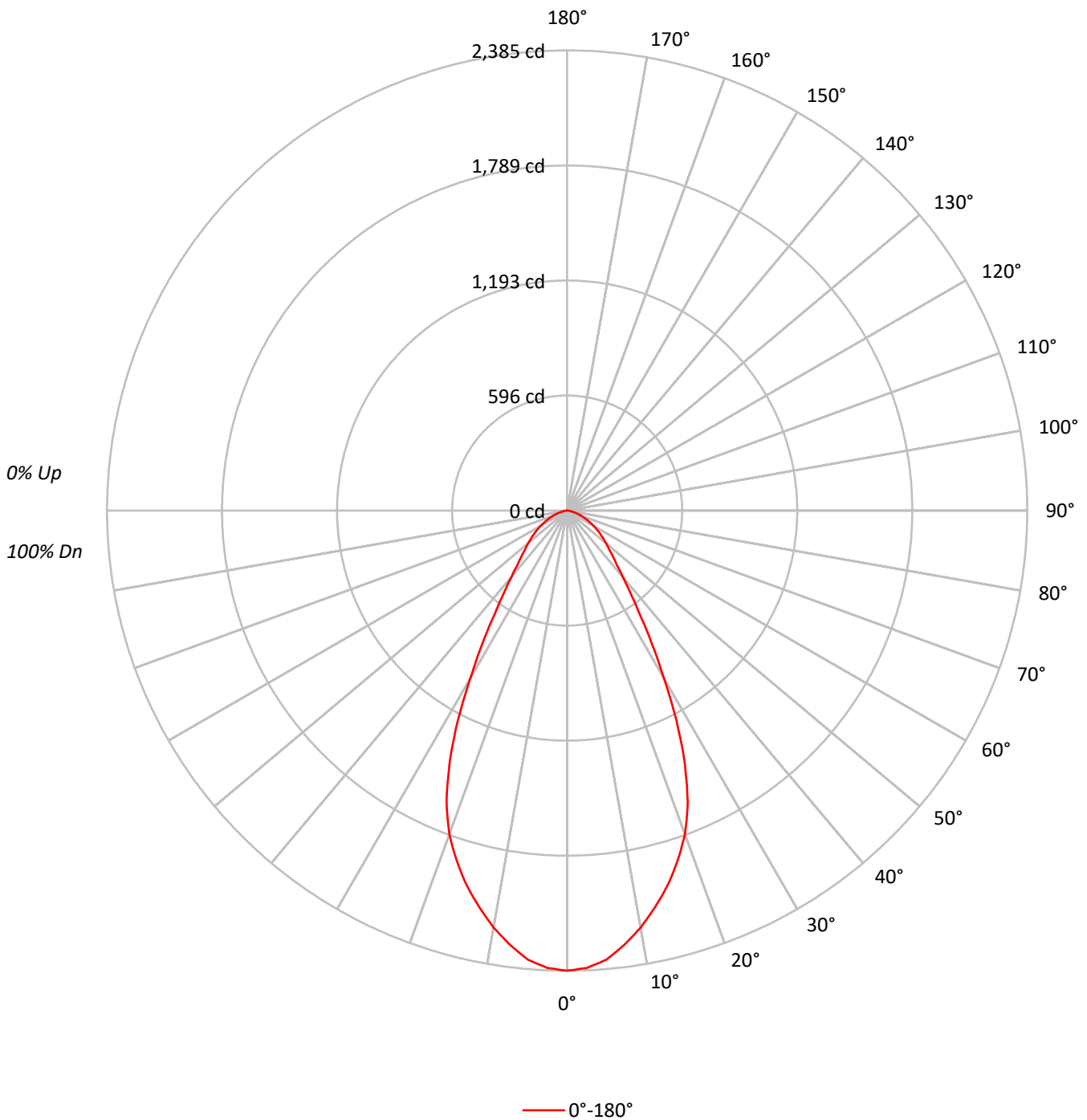
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98		99	97	95		95	94	92	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	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170749
5°	167930
10°	159547
15°	149086
20°	136042
25°	113892
30°	82910
35°	57358
40°	41949
45°	33801
50°	29274
55°	25891
60°	22583
65°	19247
70°	15764
75°	11785
80°	8206
85°	6983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	8.8
10°-20°	561.7	22.7
20°-30°	648.4	26.3
30°-40°	422.8	17.1
40°-50°	262.5	10.6
50°-60°	186.4	7.5
60°-70°	113.3	4.6
70°-80°	46.9	1.9
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°	1428.4	57.8
0°-40°	1851.2	74.9
0°-60°	2300.1	93.1
0°-90°	2470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2470.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2385	
5°	2336	218
15°	2011	562
25°	1442	648
35°	656	423
45°	334	262
55°	207	186
65°	114	113
75°	43	47
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2384.7
2.5°	2372.0
5°	2336.4
7.5°	2269.7
10°	2194.4
12.5°	2104.9
15°	2011.2
17.5°	1903.2
20°	1785.4
22.5°	1633.4
25°	1441.6
27.5°	1227.2
30°	1002.8
32.5°	815.3
35°	656.2
37.5°	538.3
40°	448.8
42.5°	382.1
45°	333.8
47.5°	294.0
50°	262.8
52.5°	234.4
55°	207.4
57.5°	183.2
60°	157.7
62.5°	134.9
65°	113.6
67.5°	93.7
70°	75.3
72.5°	58.2
75°	42.6
77.5°	29.8
80°	19.9
82.5°	12.8
85°	8.5
87.5°	4.3
90°	0.0

(END OF REPORT)