

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: P365584

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2504.1 lumens
Efficiency: N/A
Efficacy: 61.7 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

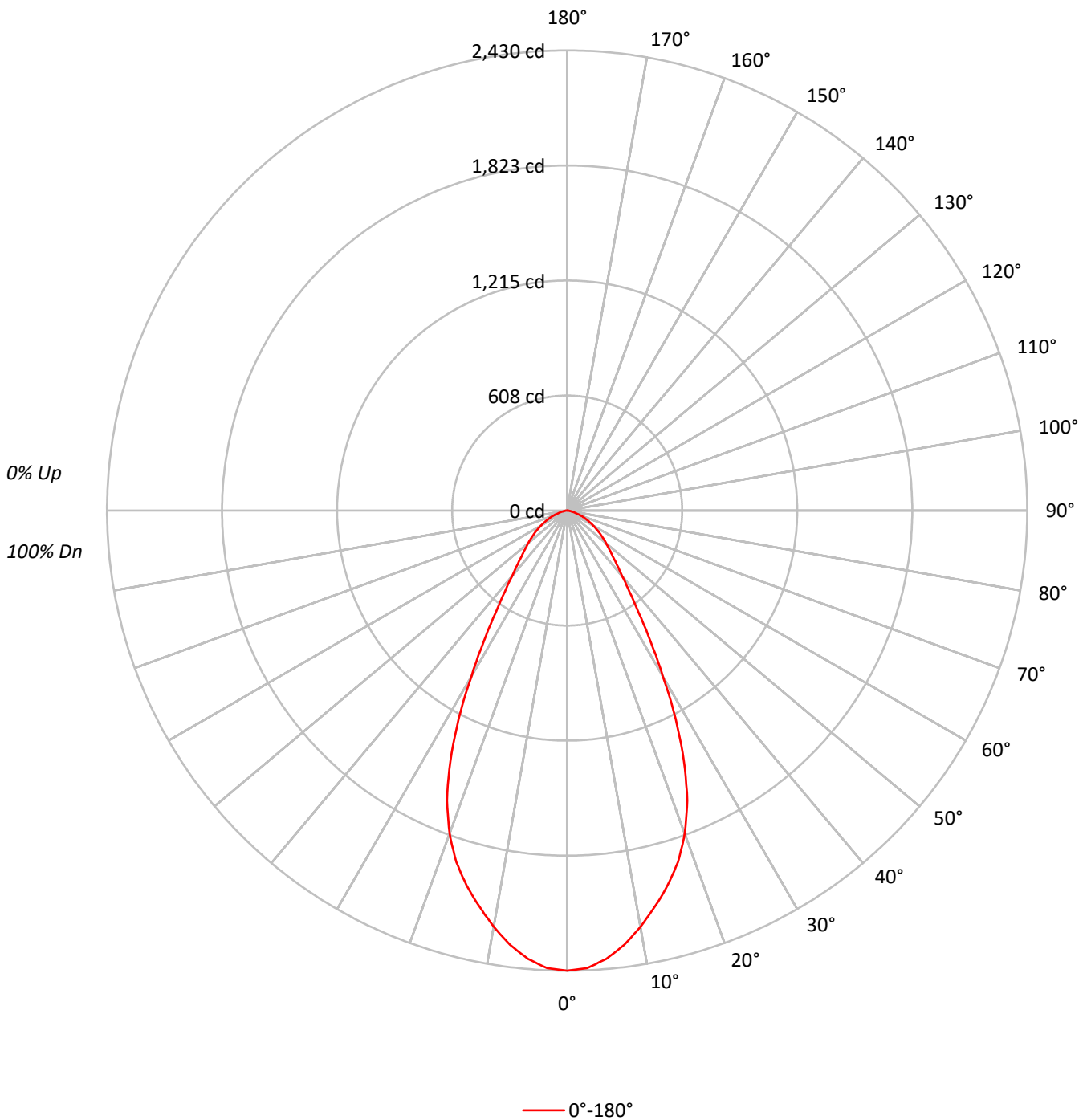
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	84	77	72	91	82	76	72	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	62
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		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173993
5°	170776
10°	162230
15°	151932
20°	138328
25°	115385
30°	83671
35°	57568
40°	42323
45°	34347
50°	29887
55°	26402
60°	22970
65°	19484
70°	15743
75°	11398
80°	7628
85°	8133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	8.9
10°-20°	572.5	22.9
20°-30°	656.9	26.2
30°-40°	425.2	17.0
40°-50°	267.1	10.7
50°-60°	190.1	7.6
60°-70°	114.6	4.6
70°-80°	45.6	1.8
80°-90°	9.9	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°	1451.6	58.0
0°-40°	1876.7	74.9
0°-60°	2333.9	93.2
0°-90°	2504.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2430	
5°	2376	222
15°	2050	572
25°	1460	657
35°	659	425
45°	339	267
55°	212	190
65°	115	115
75°	41	46
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2430.0
2.5°	2418.6
5°	2376.0
7.5°	2312.2
10°	2231.3
12.5°	2141.8
15°	2049.6
17.5°	1946.0
20°	1815.4
22.5°	1657.8
25°	1460.5
27.5°	1240.5
30°	1012.0
32.5°	819.0
35°	658.6
37.5°	540.8
40°	452.8
42.5°	388.9
45°	339.2
47.5°	300.9
50°	268.3
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°	56.8
75°	41.2
77.5°	28.4
80°	18.5
82.5°	11.4
85°	9.9
87.5°	5.7
90°	0.0

(END OF REPORT)