

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: P365599

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

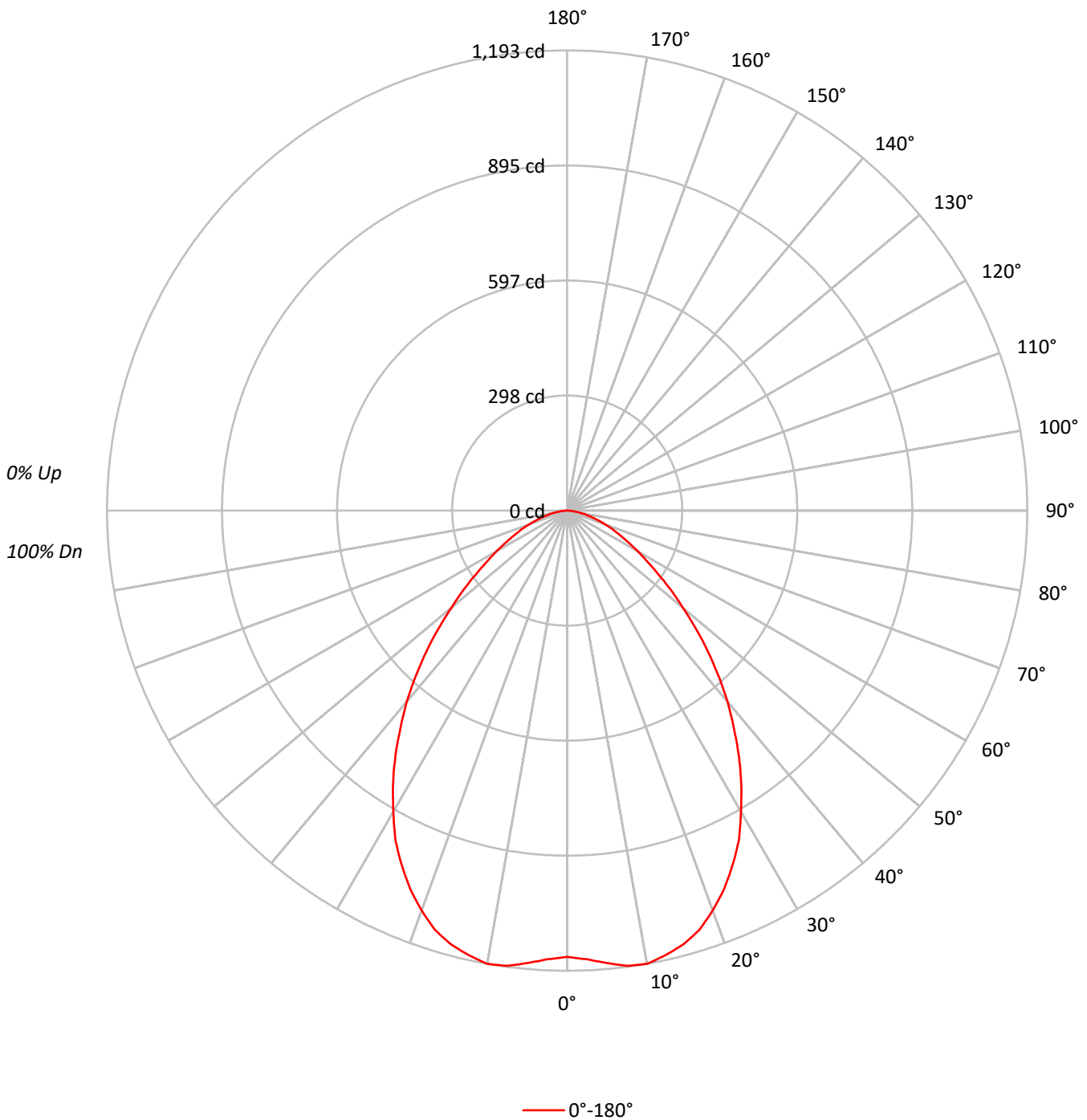
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82851
5°	84626
10°	86768
15°	86307
20°	84068
25°	80157
30°	74510
35°	67847
40°	60456
45°	52250
50°	43555
55°	36114
60°	30187
65°	25617
70°	21919
75°	18093
80°	14391
85°	10762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	4.9
10°-20°	327.0	14.3
20°-30°	465.1	20.3
30°-40°	483.7	21.1
40°-50°	397.5	17.4
50°-60°	262.5	11.5
60°-70°	152.1	6.6
70°-80°	70.8	3.1
80°-90°	16.2	0.7
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°	905.2	39.6
0°-40°	1388.8	60.7
0°-60°	2048.8	89.5
0°-90°	2288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1157	
5°	1177	113
15°	1164	327
25°	1015	465
35°	776	484
45°	516	397
55°	289	263
65°	151	152
75°	65	71
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1157.1
2.5°	1164.3
5°	1177.4
7.5°	1190.5
10°	1193.4
12.5°	1180.3
15°	1164.3
17.5°	1139.6
20°	1103.3
22.5°	1062.6
25°	1014.6
27.5°	963.7
30°	901.2
32.5°	840.2
35°	776.2
37.5°	709.3
40°	646.8
42.5°	580.0
45°	516.0
47.5°	452.1
50°	391.0
52.5°	340.1
55°	289.3
57.5°	247.1
60°	210.8
62.5°	178.8
65°	151.2
67.5°	127.9
70°	104.7
72.5°	84.3
75°	65.4
77.5°	49.4
80°	34.9
82.5°	23.3
85°	13.1
87.5°	5.8
90°	0.0

(END OF REPORT)