

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: P365551

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2386.0 lumens
Efficiency: N/A
Efficacy: 58.8 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

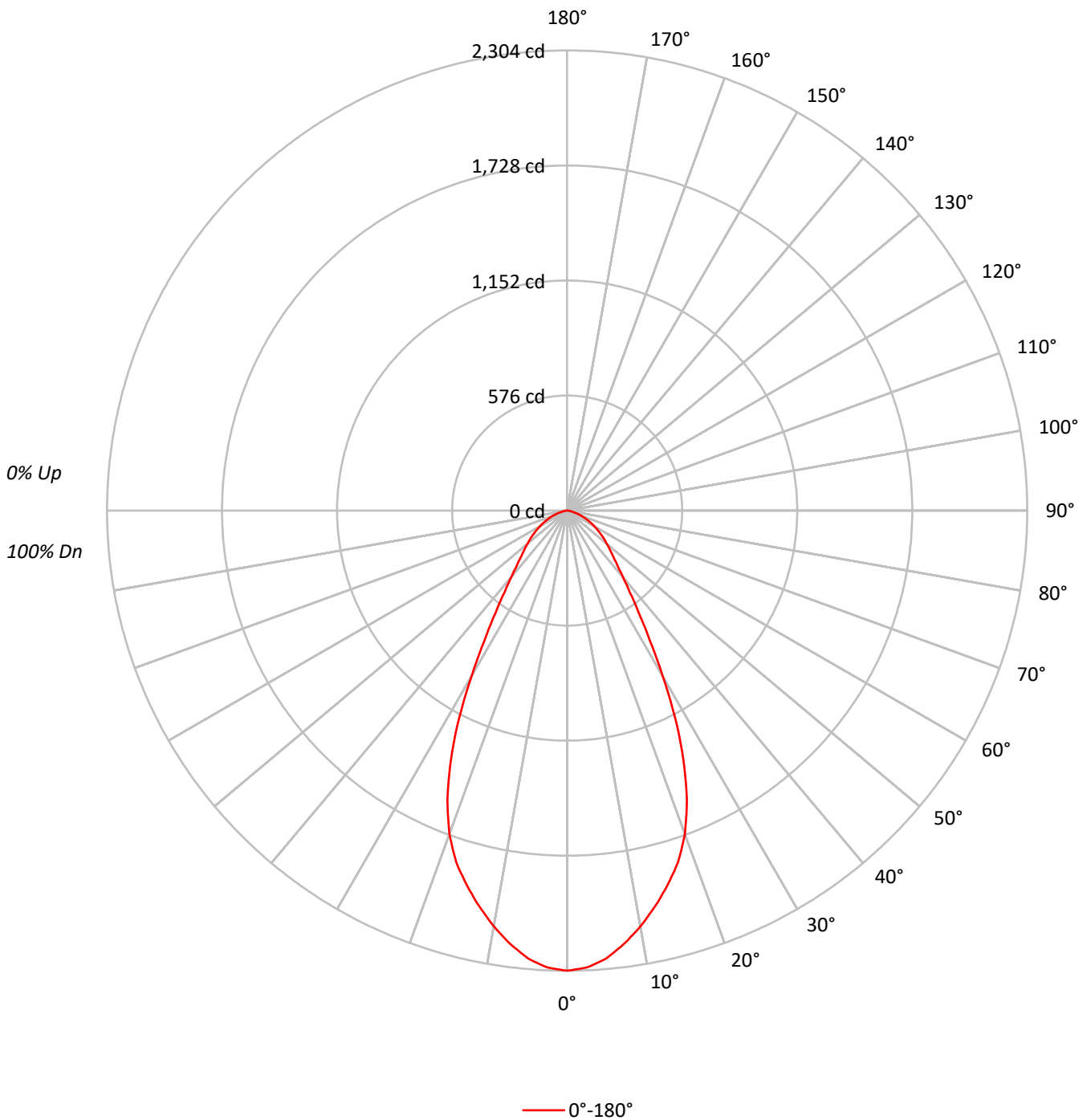
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164949
5°	161820
10°	153680
15°	143919
20°	131364
25°	108899
30°	79008
35°	54649
40°	40416
45°	33041
50°	28984
55°	25778
60°	22483
65°	19128
70°	15283
75°	11038
80°	7958
85°	9037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	8.8
10°-20°	542.9	22.8
20°-30°	620.9	26.0
30°-40°	402.6	16.9
40°-50°	256.7	10.8
50°-60°	184.9	7.7
60°-70°	112.4	4.7
70°-80°	44.8	1.9
80°-90°	10.5	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°	1374.2	57.6
0°-40°	1776.8	74.5
0°-60°	2218.3	93.0
0°-90°	2386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2386.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2304	
5°	2251	210
15°	1942	543
25°	1378	621
35°	625	403
45°	326	257
55°	206	185
65°	113	112
75°	40	45
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2303.7
2.5°	2289.9
5°	2251.4
7.5°	2188.0
10°	2113.7
12.5°	2031.1
15°	1941.5
17.5°	1846.5
20°	1724.0
22.5°	1567.0
25°	1378.4
27.5°	1171.8
30°	955.6
32.5°	769.7
35°	625.2
37.5°	515.0
40°	432.4
42.5°	371.8
45°	326.3
47.5°	290.5
50°	260.2
52.5°	232.7
55°	206.5
57.5°	180.4
60°	157.0
62.5°	134.9
65°	112.9
67.5°	92.3
70°	73.0
72.5°	56.5
75°	39.9
77.5°	27.5
80°	19.3
82.5°	12.4
85°	11.0
87.5°	5.5
90°	0.0

(END OF REPORT)