

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P35129

Luminaire Tested: **LE_6B10D010 EC6B10209027 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35129
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209027 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.2 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

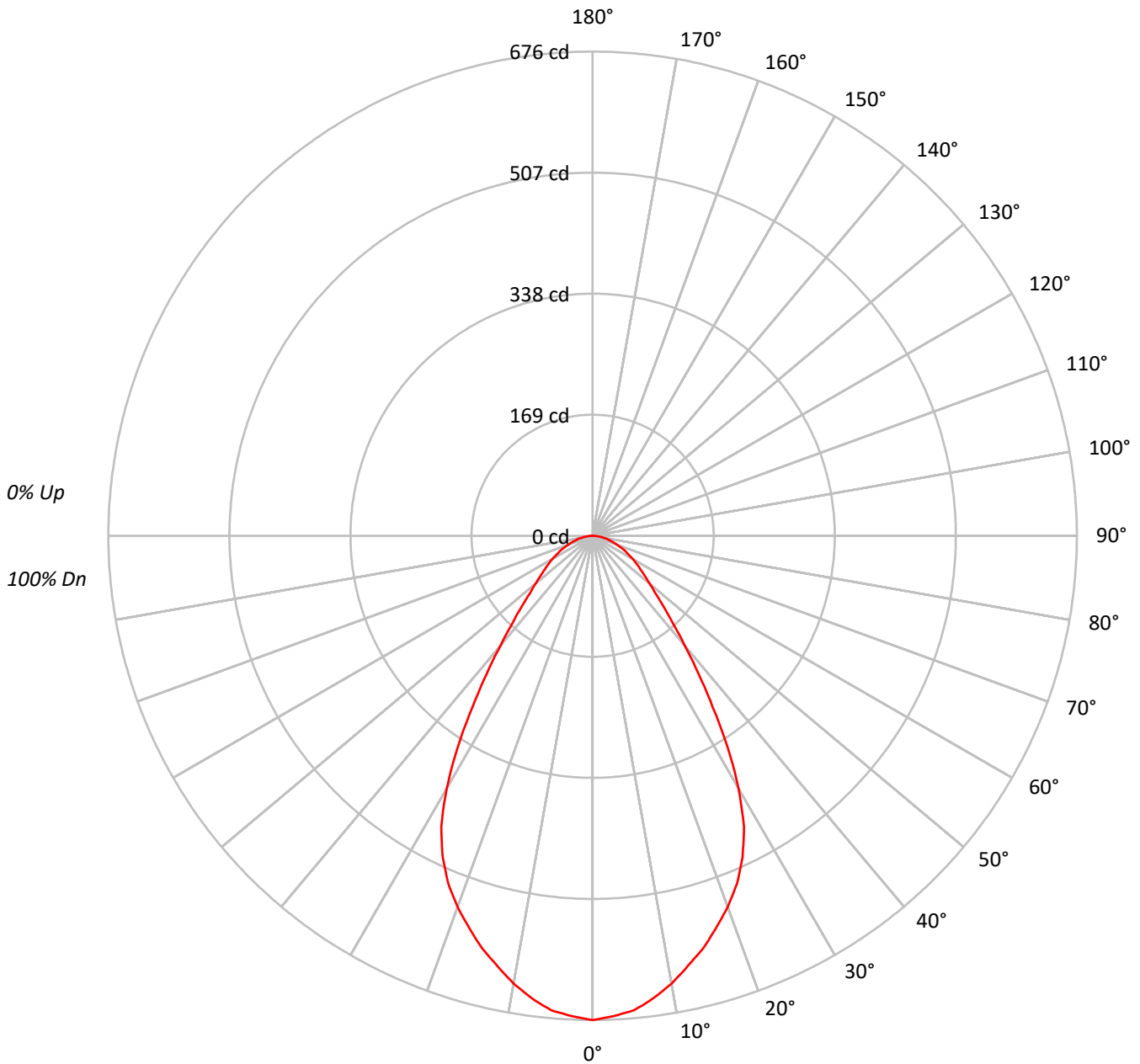
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44116
5°	43551
10°	42067
15°	40269
20°	38269
25°	35633
30°	30698
35°	23296
40°	17033
45°	12917
50°	10535
55°	9236
60°	8481
65°	7719
70°	6905
75°	6302
80°	5636
85°	4641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	6.9
10°-20°	167.3	18.5
20°-30°	224.7	24.8
30°-40°	184.3	20.3
40°-50°	110.7	12.2
50°-60°	73.5	8.1
60°-70°	49.3	5.4
70°-80°	26.5	2.9
80°-90°	7.5	0.8
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°	454.5	50.1
0°-40°	638.8	70.5
0°-60°	823.0	90.8
0°-90°	906.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	676	
5°	665	62
15°	596	167
25°	495	225
35°	292	184
45°	140	111
55°	81	74
65°	50	49
75°	25	27
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	676.2
2.5°	671.2
5°	665.0
7.5°	651.2
10°	635.0
12.5°	615.0
15°	596.2
17.5°	573.8
20°	551.2
22.5°	526.2
25°	495.0
27.5°	457.5
30°	407.5
32.5°	351.2
35°	292.5
37.5°	242.5
40°	200.0
42.5°	166.2
45°	140.0
47.5°	118.8
50°	103.8
52.5°	91.2
55°	81.2
57.5°	72.5
60°	65.0
62.5°	56.2
65°	50.0
67.5°	42.5
70°	36.2
72.5°	30.0
75°	25.0
77.5°	20.0
80°	15.0
82.5°	11.2
85°	6.2
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)