

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: P35136

Luminaire Tested: **LE_6B10D010 EC6B10209027 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35136
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209027 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1135.3 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

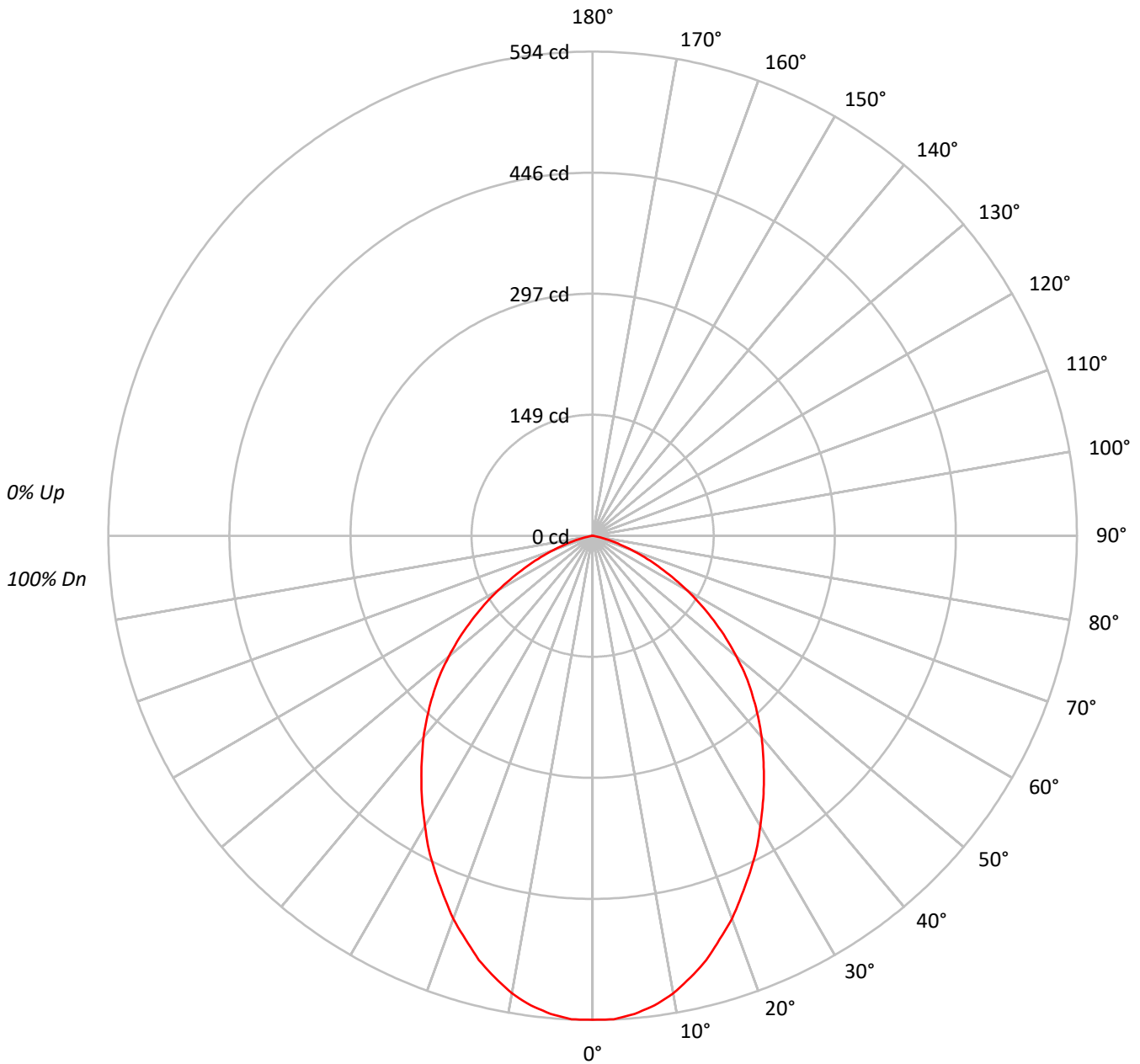
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38740
5°	38560
10°	37761
15°	36392
20°	34714
25°	32840
30°	30977
35°	29166
40°	27466
45°	25603
50°	23344
55°	20610
60°	17458
65°	13708
70°	9766
75°	5344
80°	939
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	4.9
10°-20°	151.2	13.3
20°-30°	209.9	18.5
30°-40°	229.1	20.2
40°-50°	213.7	18.8
50°-60°	162.2	14.3
60°-70°	88.8	7.8
70°-80°	24.4	2.2
80°-90°	0.3	0.0
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°	416.7	36.7
0°-40°	645.8	56.9
0°-60°	1021.7	90.0
0°-90°	1135.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	594	
5°	589	56
15°	539	151
25°	456	210
35°	366	229
45°	278	214
55°	181	162
65°	89	89
75°	21	24
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	593.8
2.5°	593.8
5°	588.8
7.5°	581.2
10°	570.0
12.5°	555.0
15°	538.8
17.5°	518.8
20°	500.0
22.5°	477.5
25°	456.2
27.5°	435.0
30°	411.2
32.5°	388.8
35°	366.2
37.5°	343.8
40°	322.5
42.5°	300.0
45°	277.5
47.5°	255.0
50°	230.0
52.5°	206.2
55°	181.2
57.5°	157.5
60°	133.8
62.5°	110.0
65°	88.8
67.5°	68.8
70°	51.2
72.5°	35.0
75°	21.2
77.5°	10.0
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)