

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: P204757

Luminaire Tested: **LE_6B10D010 EC6B10208027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10208027 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST 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: 1396.1 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

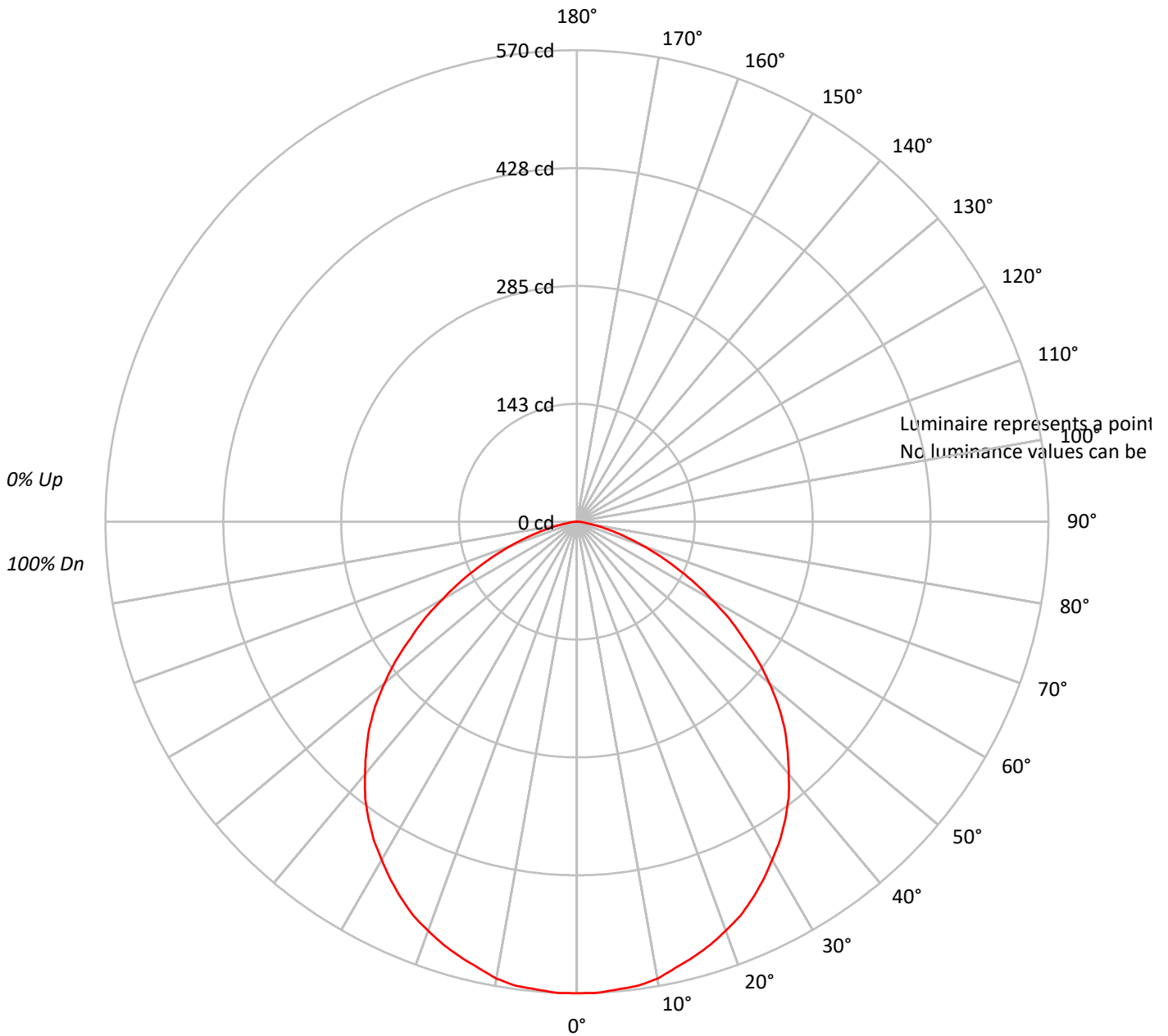
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





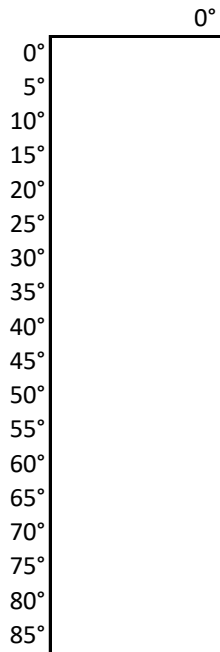
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74																			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63																			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55																			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48																			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42																			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33																			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	3.9
10°-20°	153.8	11.0
20°-30°	231.3	16.6
30°-40°	274.2	19.6
40°-50°	272.9	19.5
50°-60°	220.0	15.8
60°-70°	133.0	9.5
70°-80°	49.4	3.5
80°-90°	7.3	0.5
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°	439.2	31.5
0°-40°	713.4	51.1
0°-60°	1206.3	86.4
0°-90°	1396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	570	
5°	568	54
15°	545	154
25°	502	231
35°	439	274
45°	355	273
55°	245	220
65°	134	133
75°	45	49
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	570.2
2.5°	570.2
5°	567.6
7.5°	566.0
10°	560.9
12.5°	552.4
15°	544.9
17.5°	536.4
20°	526.2
22.5°	516.0
25°	502.5
27.5°	488.1
30°	472.0
32.5°	456.9
35°	439.1
37.5°	420.5
40°	398.5
42.5°	377.2
45°	355.4
47.5°	330.8
50°	303.8
52.5°	275.8
55°	245.4
57.5°	218.2
60°	187.8
62.5°	160.8
65°	133.6
67.5°	108.2
70°	84.6
72.5°	63.5
75°	44.9
77.5°	28.8
80°	16.9
82.5°	10.1
85°	5.9
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)