

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: P204806

Luminaire Tested: **LE\_6B30D010 EC6B30509727 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204806  
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\_6B30D010 EC6B30509727 6LBCSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2897.4 lumens  
Efficiency: N/A  
Efficacy: 103.5 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

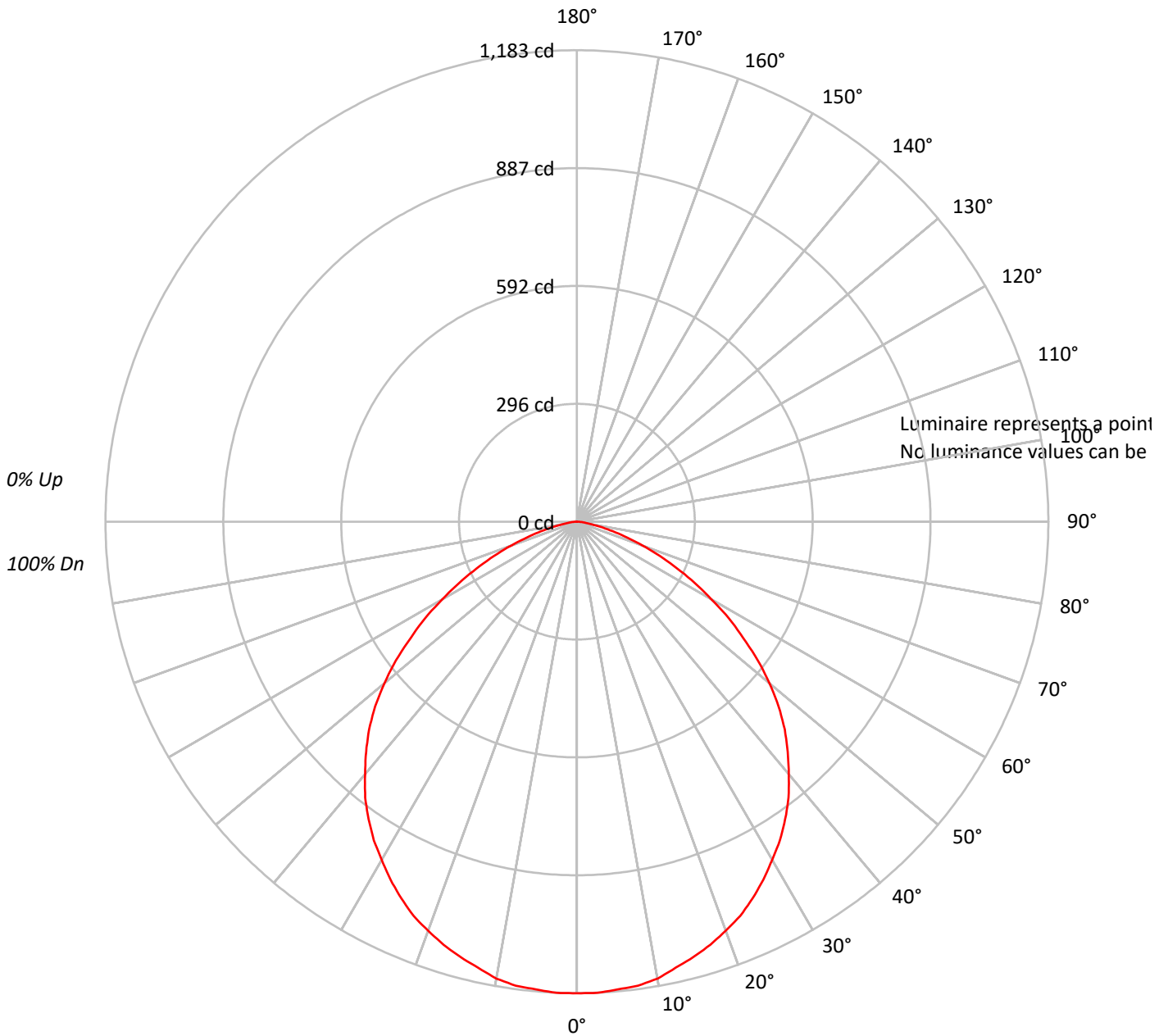
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	112.1	3.9
10°-20°	319.2	11.0
20°-30°	480.2	16.6
30°-40°	569.1	19.6
40°-50°	566.3	19.5
50°-60°	456.5	15.8
60°-70°	276.2	9.5
70°-80°	102.5	3.5
80°-90°	15.2	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°	911.5	31.5
0°-40°	1480.6	51.1
0°-60°	2503.4	86.4
0°-90°	2897.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1183	
5°	1178	112
15°	1131	319
25°	1043	480
35°	911	569
45°	737	566
55°	509	457
65°	277	276
75°	93	103
85°	12	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1183.4
2.5°	1183.4
5°	1178.1
7.5°	1174.6
10°	1164.1
12.5°	1146.5
15°	1130.8
17.5°	1113.1
20°	1092.1
22.5°	1071.0
25°	1042.9
27.5°	1013.1
30°	979.8
32.5°	948.1
35°	911.2
37.5°	872.6
40°	827.0
42.5°	783.1
45°	737.4
47.5°	686.5
50°	630.4
52.5°	572.4
55°	509.1
57.5°	453.0
60°	389.8
62.5°	333.6
65°	277.4
67.5°	224.8
70°	175.6
72.5°	131.6
75°	93.0
77.5°	59.8
80°	35.1
82.5°	21.1
85°	12.2
87.5°	5.2
90°	0.0



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— 0°-180°







(END OF REPORT)