

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: P204532

Luminaire Tested: **LE\_6B60D010R EC6B60709040 6LBSB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204532  
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\_6B60D010R EC6B60709040 6LBSB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5929.6 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

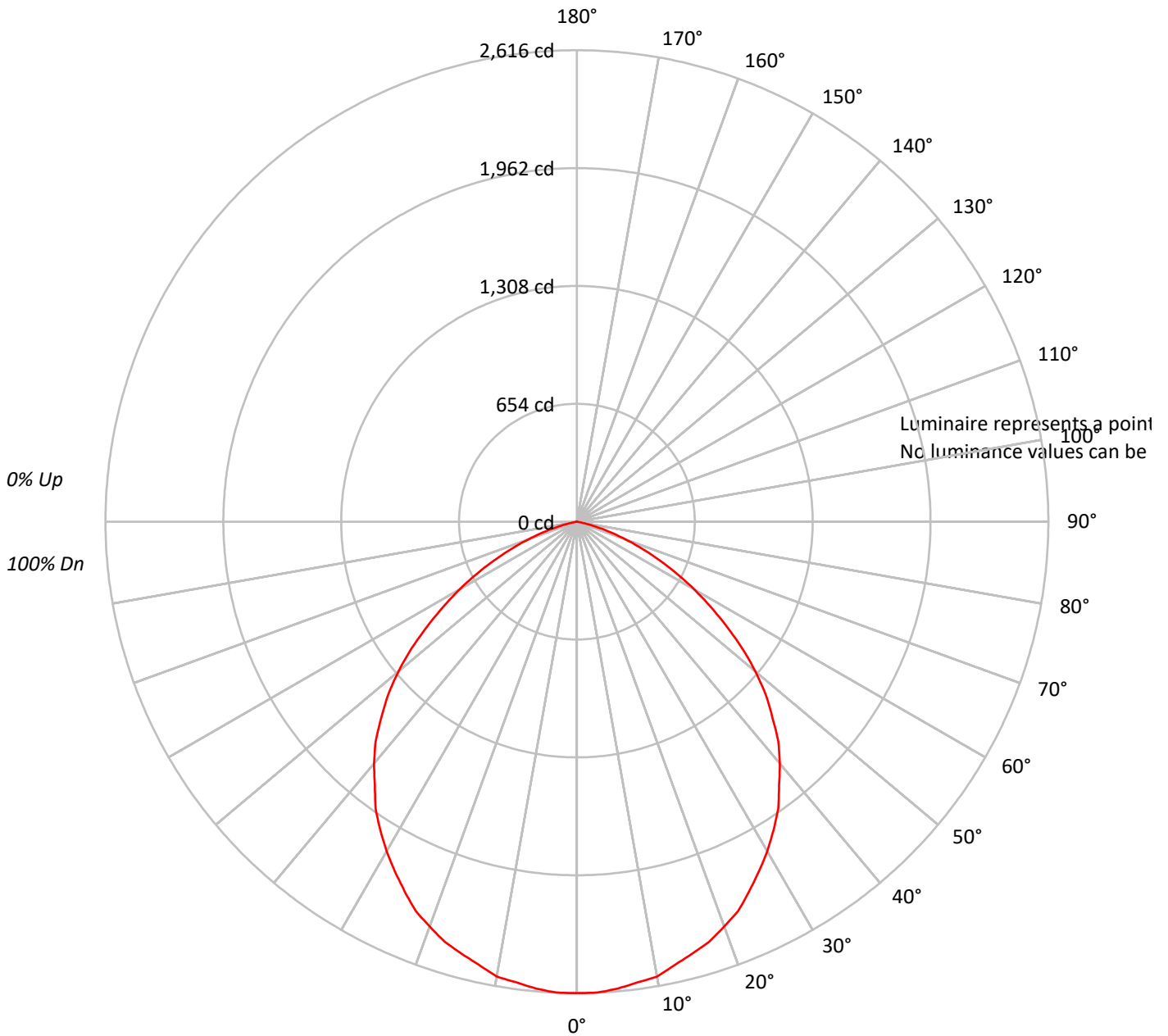
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





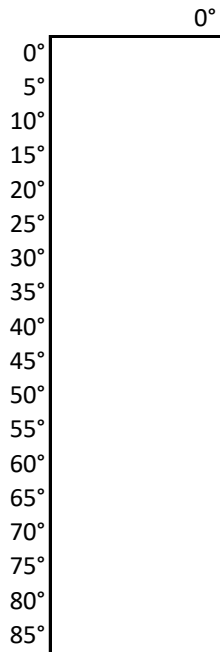
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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			100																
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			76																
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65			65																
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57			57																
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50			50																
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			44																
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			39																
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35																
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32																
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29																

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.9	4.2
10°-20°	700.5	11.8
20°-30°	1042.0	17.6
30°-40°	1212.6	20.4
40°-50°	1181.9	19.9
50°-60°	909.1	15.3
60°-70°	502.5	8.5
70°-80°	133.1	2.2
80°-90°	1.0	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°	1989.4	33.6
0°-40°	3202.0	54.0
0°-60°	5292.9	89.3
0°-90°	5929.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5929.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2616	
5°	2601	247
15°	2480	700
25°	2262	1042
35°	1947	1213
45°	1533	1182
55°	1015	909
65°	504	503
75°	113	133
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2615.8
2.5°	2615.8
5°	2600.8
7.5°	2578.1
10°	2563.1
12.5°	2518.0
15°	2480.4
17.5°	2442.9
20°	2390.2
22.5°	2337.6
25°	2262.5
27.5°	2187.2
30°	2112.1
32.5°	2029.5
35°	1946.8
37.5°	1841.5
40°	1751.4
42.5°	1653.6
45°	1533.4
47.5°	1420.6
50°	1292.9
52.5°	1157.5
55°	1014.8
57.5°	879.4
60°	751.6
62.5°	623.9
65°	503.6
67.5°	390.9
70°	285.6
72.5°	195.4
75°	112.8
77.5°	52.6
80°	7.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)