

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: P203700

Luminaire Tested: **LE\_6B60D010R EC6B60708030 6LBNH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203700  
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 EC6B60708030 6LBNH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4695.2 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

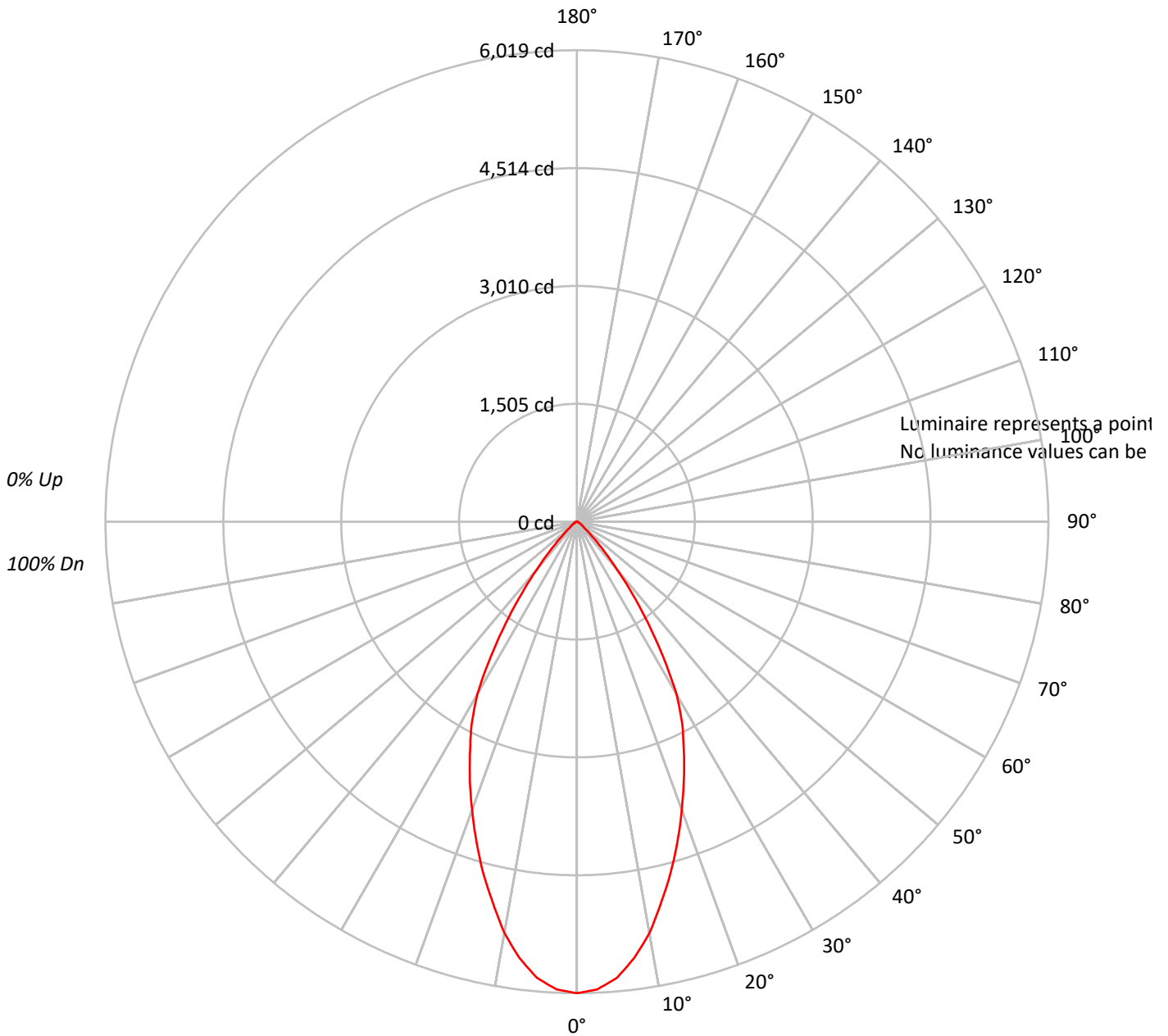
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75					75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70					70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65					65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61					61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58					58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54					54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51					51			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.3	11.5
10°-20°	1290.8	27.5
20°-30°	1478.7	31.5
30°-40°	993.6	21.2
40°-50°	283.8	6.0
50°-60°	69.4	1.5
60°-70°	26.3	0.6
70°-80°	10.1	0.2
80°-90°	1.2	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°	3310.8	70.5
0°-40°	4304.4	91.7
0°-60°	4657.7	99.2
0°-90°	4695.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4695.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6019	
5°	5848	541
15°	4632	1291
25°	3228	1479
35°	1584	994
45°	325	284
55°	77	69
65°	26	26
75°	8	10
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6019.0
2.5°	5976.2
5°	5847.8
7.5°	5616.6
10°	5334.0
12.5°	4974.5
15°	4632.0
17.5°	4272.4
20°	3912.8
22.5°	3570.2
25°	3227.9
27.5°	2911.0
30°	2542.9
32.5°	2054.9
35°	1584.0
37.5°	1155.9
40°	796.2
42.5°	522.2
45°	325.4
47.5°	196.9
50°	119.9
52.5°	94.1
55°	77.0
57.5°	59.9
60°	42.8
62.5°	34.2
65°	25.6
67.5°	17.1
70°	17.1
72.5°	8.5
75°	8.5
77.5°	8.5
80°	8.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)