

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: P202869

Luminaire Tested: **LE\_6B50D010R EC6B30509030 6LBWWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202869  
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\_6B50D010R EC6B30509030 6LBWWH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH WHEAT TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5216.8 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

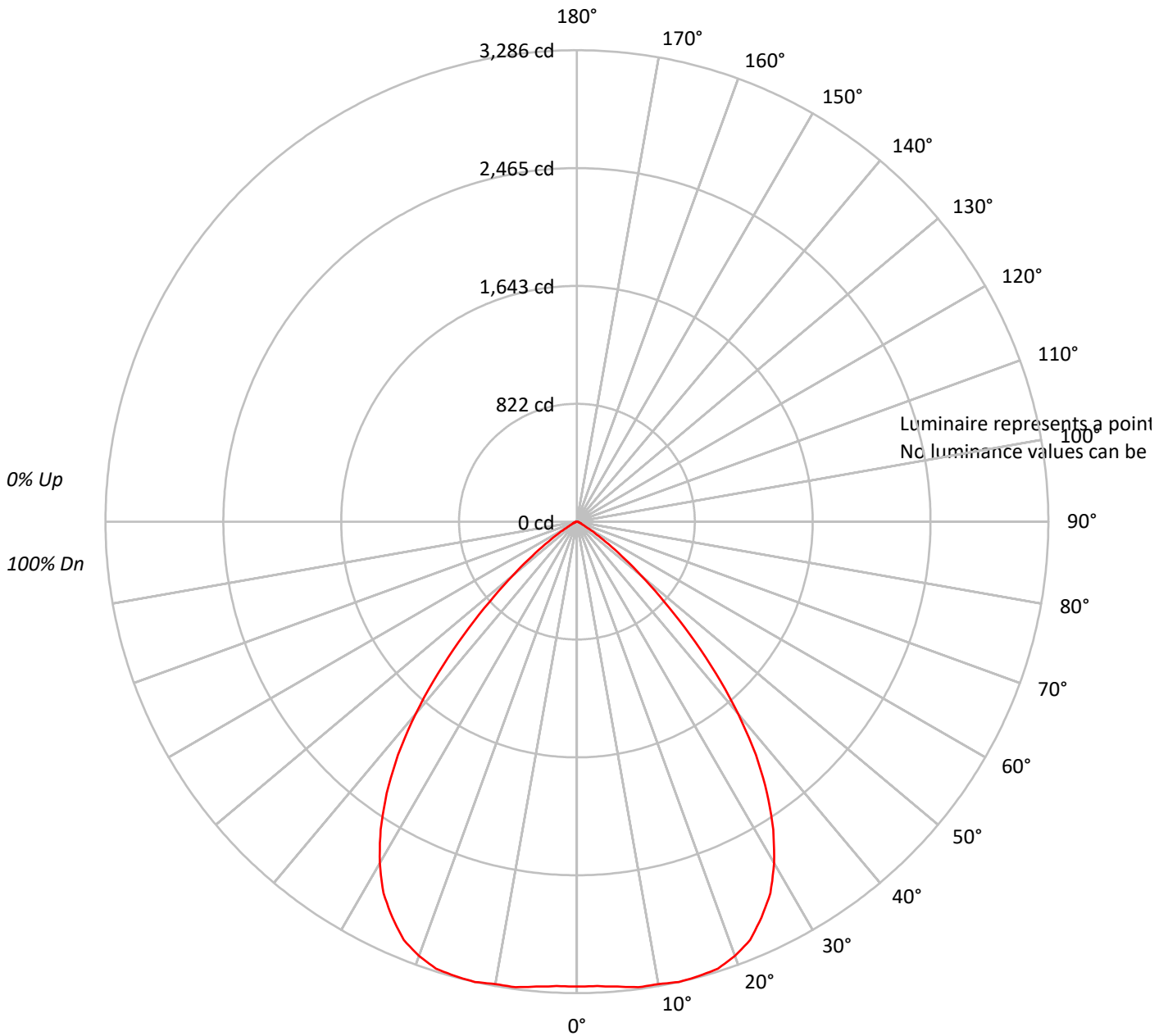
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62				62
6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.5	6.0
10°-20°	926.2	17.8
20°-30°	1394.2	26.7
30°-40°	1425.5	27.3
40°-50°	865.7	16.6
50°-60°	243.8	4.7
60°-70°	37.1	0.7
70°-80°	12.0	0.2
80°-90°	0.9	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°	2631.8	50.4
0°-40°	4057.3	77.8
0°-60°	5166.8	99.0
0°-90°	5216.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5216.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3240	
5°	3253	311
15°	3280	926
25°	3044	1394
35°	2311	1425
45°	1113	866
55°	242	244
65°	33	37
75°	13	12
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3240.1
2.5°	3240.1
5°	3253.2
7.5°	3272.9
10°	3272.9
12.5°	3286.0
15°	3279.5
17.5°	3266.4
20°	3220.5
22.5°	3155.1
25°	3043.8
27.5°	2919.5
30°	2749.2
32.5°	2546.4
35°	2310.6
37.5°	2048.9
40°	1747.8
42.5°	1433.5
45°	1112.8
47.5°	824.8
50°	582.6
52.5°	392.8
55°	242.2
57.5°	144.0
60°	72.0
62.5°	45.9
65°	32.8
67.5°	26.1
70°	19.6
72.5°	13.1
75°	13.1
77.5°	6.5
80°	6.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)