

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: P205198

Luminaire Tested: **LE\_6B20D010 EC6B10209035 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205198  
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\_6B20D010 EC6B10209035 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W  
DL3-21.8 6 W DLE-22.46 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2230.2 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

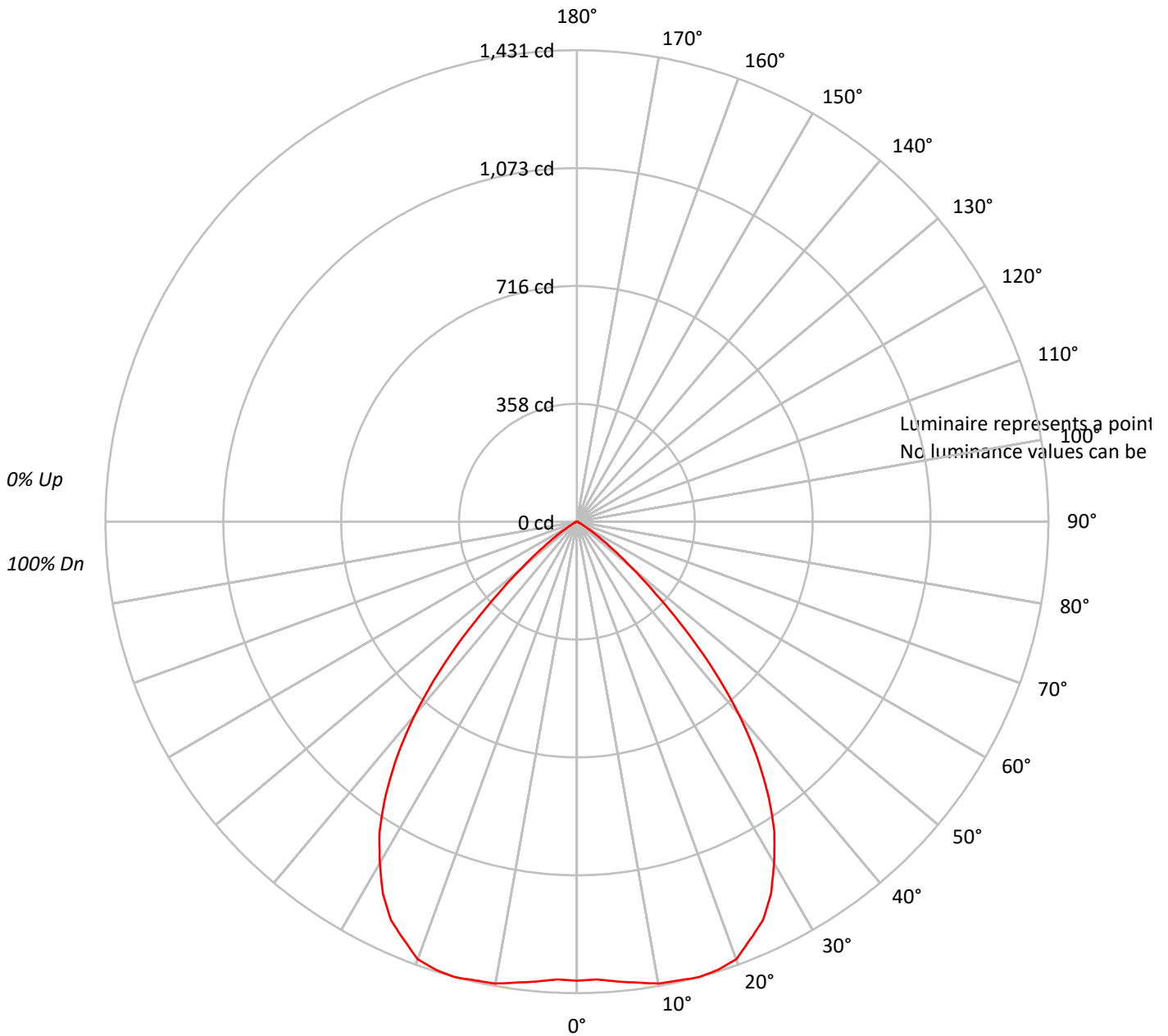
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				
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			
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.4	6.0
10°-20°	404.0	18.1
20°-30°	609.0	27.3
30°-40°	623.3	27.9
40°-50°	363.1	16.3
50°-60°	83.4	3.7
60°-70°	10.3	0.5
70°-80°	2.6	0.1
80°-90°	0.0	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°	1147.4	51.4
0°-40°	1770.8	79.4
0°-60°	2217.3	99.4
0°-90°	2230.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2230.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1393	
5°	1401	134
15°	1431	404
25°	1335	609
35°	1012	623
45°	468	363
55°	81	83
65°	8	10
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1393.2
2.5°	1390.8
5°	1400.9
7.5°	1411.0
10°	1423.6
12.5°	1426.1
15°	1431.2
17.5°	1426.1
20°	1413.5
22.5°	1373.1
25°	1335.1
27.5°	1274.5
30°	1196.1
32.5°	1115.1
35°	1011.5
37.5°	895.1
40°	766.2
42.5°	622.0
45°	467.8
47.5°	326.2
50°	214.9
52.5°	136.5
55°	80.9
57.5°	43.0
60°	22.8
62.5°	12.6
65°	7.6
67.5°	7.6
70°	5.0
72.5°	2.5
75°	2.5
77.5°	2.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)