

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: P205295

Luminaire Tested: **LE\_6B20D010 EC6B10208050 6LBNLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205295  
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 EC6B10208050 6LBNLI1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW 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**

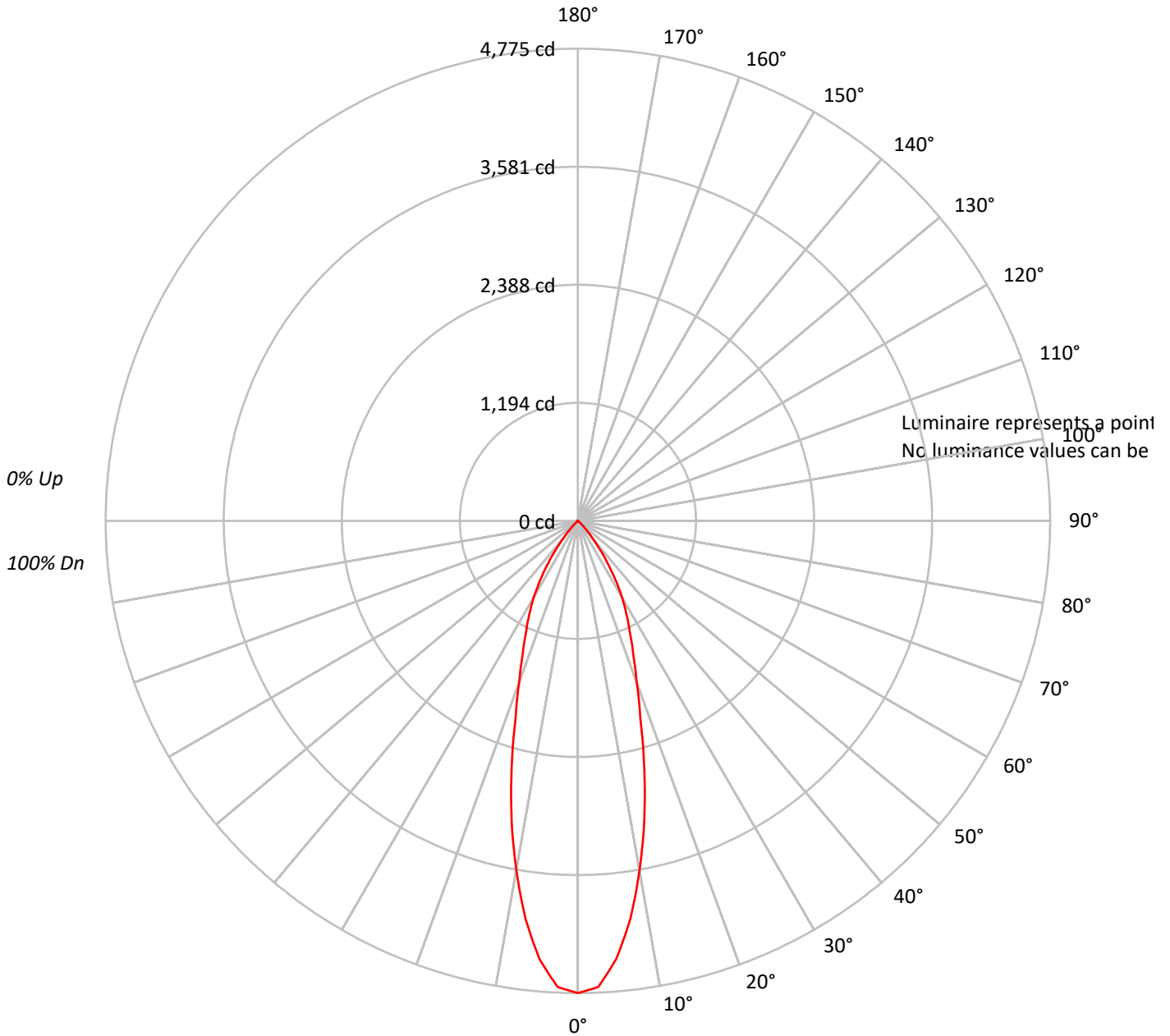
Lumens per Lamp: N/A  
Luminaire Lumens: 2097.2 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

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				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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89				89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85				85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80				80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76				76
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72				72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68				68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65				65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59				59

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.0	18.9
10°-20°	712.6	34.0
20°-30°	576.2	27.5
30°-40°	331.9	15.8
40°-50°	70.1	3.3
50°-60°	6.0	0.3
60°-70°	3.0	0.1
70°-80°	0.4	0.0
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°	1685.8	80.4
0°-40°	2017.7	96.2
0°-60°	2093.9	99.8
0°-90°	2097.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4775	
5°	4448	397
15°	2589	713
25°	1243	576
35°	526	332
45°	76	70
55°	6	6
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4775.1
2.5°	4717.6
5°	4448.5
7.5°	4061.4
10°	3586.6
12.5°	3099.8
15°	2588.6
17.5°	2095.8
20°	1735.9
22.5°	1460.6
25°	1242.9
27.5°	1058.5
30°	892.1
32.5°	707.6
35°	526.2
37.5°	365.9
40°	238.9
42.5°	145.1
45°	75.6
47.5°	30.2
50°	9.1
52.5°	9.1
55°	6.0
57.5°	6.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	3.0
70°	3.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)