

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: P204121

Luminaire Tested: **LE_6B60D010R EC6B60709050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204121
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 EC6B60709050 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

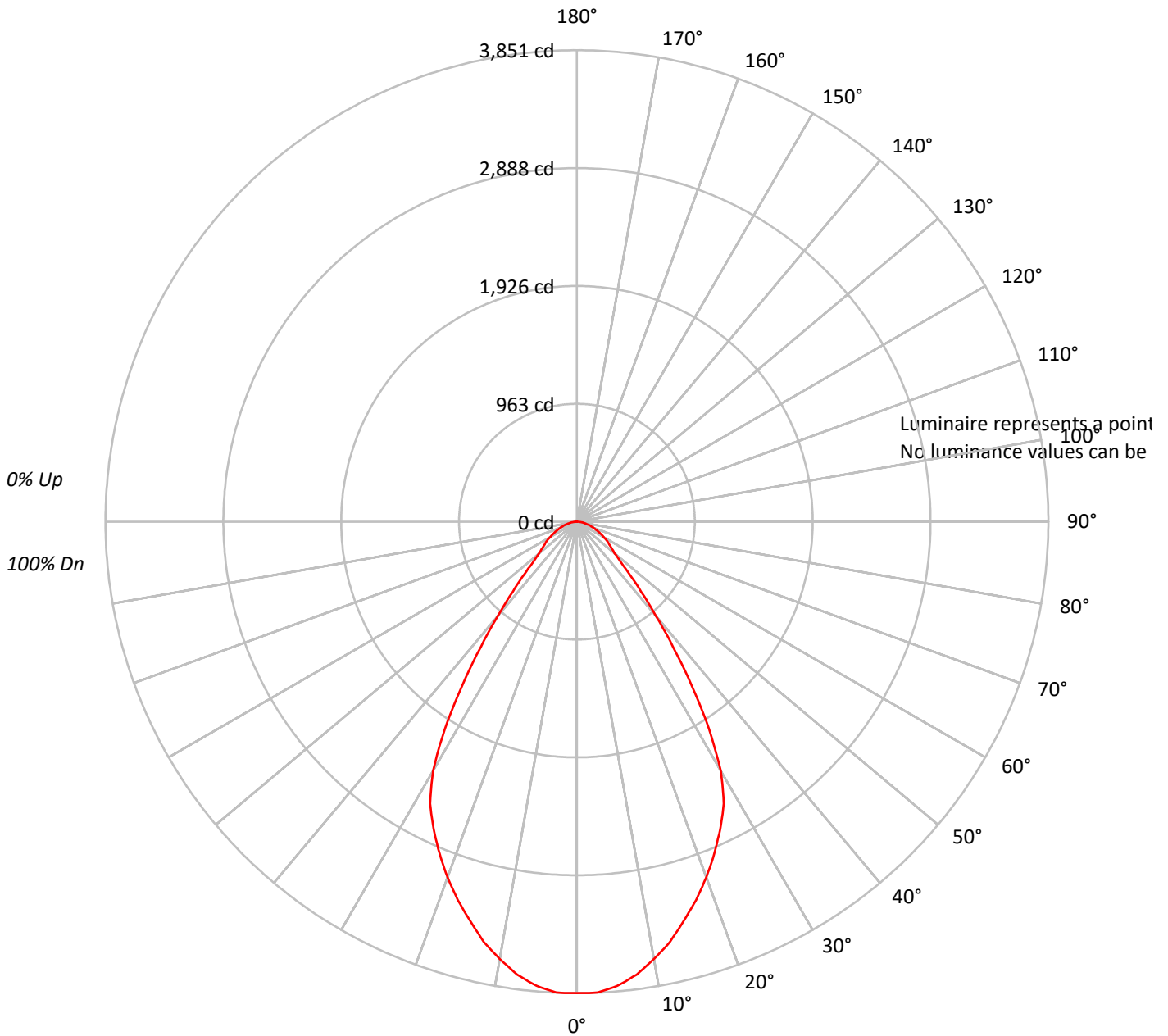
Lumens per Lamp: N/A
Luminaire Lumens: 4695.8 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): 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



TEST NUMBER: P204121
CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204121

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBNMW1

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	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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																												
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																												
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																												
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																												
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																												
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																												
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																												
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																												
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																												

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204121

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.6	7.6
10°-20°	947.9	20.2
20°-30°	1265.5	26.9
30°-40°	1021.0	21.7
40°-50°	489.3	10.4
50°-60°	290.0	6.2
60°-70°	192.8	4.1
70°-80°	103.3	2.2
80°-90°	28.4	0.6
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°	2571.0	54.8
0°-40°	3591.9	76.5
0°-60°	4371.2	93.1
0°-90°	4695.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4695.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3851	
5°	3806	358
15°	3373	948
25°	2769	1266
35°	1634	1021
45°	604	489
55°	321	290
65°	194	193
75°	97	103
85°	22	28
90°	0	



TEST NUMBER: P204121

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3851.0
2.5°	3851.0
5°	3806.2
7.5°	3731.6
10°	3627.1
12.5°	3515.2
15°	3373.4
17.5°	3239.0
20°	3089.8
22.5°	2933.1
25°	2768.9
27.5°	2597.2
30°	2350.9
32.5°	2007.6
35°	1634.5
37.5°	1291.1
40°	1000.1
42.5°	776.1
45°	604.5
47.5°	477.6
50°	403.0
52.5°	358.2
55°	320.9
57.5°	291.1
60°	253.8
62.5°	223.9
65°	194.0
67.5°	164.2
70°	141.8
72.5°	119.4
75°	97.0
77.5°	74.6
80°	59.8
82.5°	44.8
85°	22.4
87.5°	7.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)