

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: P204171

Luminaire Tested: **LE_6B20D010 EC6B10209040 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204171
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 EC6B10209040 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-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

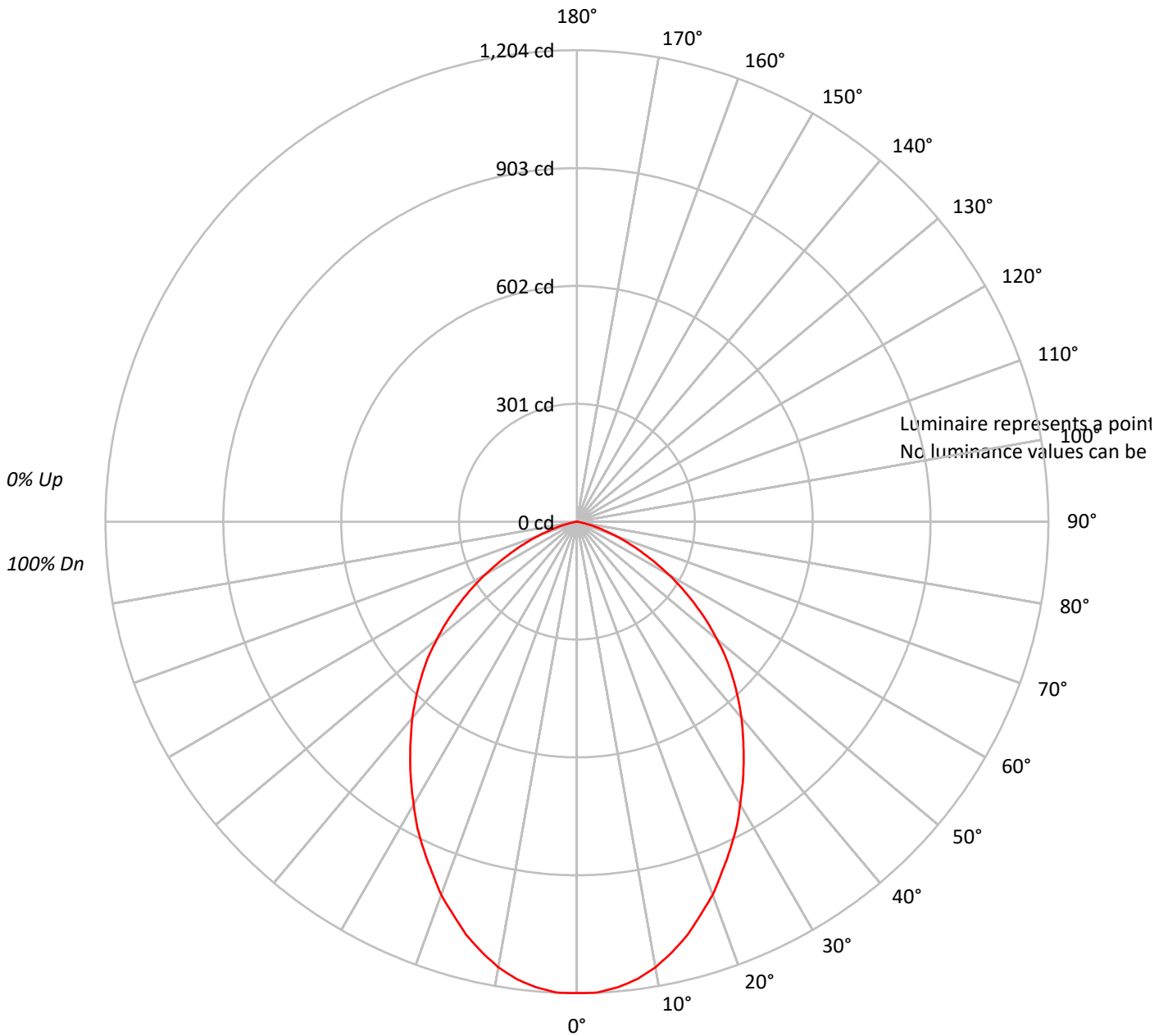
Lumens per Lamp: N/A
Luminaire Lumens: 2301.6 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): 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: P204171
CATALOG NUMBER: LE_6B20D010 EC6B10209040 6LBSH1

Luminous Intensity Polar Plot





TEST NUMBER: P204171

CATALOG NUMBER: LE_6B20D010 EC6B10209040 6LBSH1

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204171

CATALOG NUMBER: LE_6B20D010 EC6B10209040 6LSBH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	4.9
10°-20°	306.5	13.3
20°-30°	425.6	18.5
30°-40°	464.4	20.2
40°-50°	433.2	18.8
50°-60°	328.8	14.3
60°-70°	180.0	7.8
70°-80°	49.5	2.2
80°-90°	0.7	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°	844.8	36.7
0°-40°	1309.3	56.9
0°-60°	2071.4	90.0
0°-90°	2301.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2301.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1204	
5°	1194	113
15°	1092	306
25°	925	426
35°	742	464
45°	563	433
55°	368	329
65°	180	180
75°	43	50
85°	0	1
90°	0	



TEST NUMBER: P204171

CATALOG NUMBER: LE_6B20D010 EC6B10209040 6LBSH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1203.8
2.5°	1203.8
5°	1193.6
7.5°	1178.4
10°	1155.6
12.5°	1125.2
15°	1092.2
17.5°	1051.8
20°	1013.8
22.5°	968.1
25°	925.0
27.5°	881.9
30°	833.8
32.5°	788.1
35°	742.5
37.5°	696.9
40°	653.9
42.5°	608.2
45°	562.6
47.5°	517.0
50°	466.2
52.5°	418.1
55°	367.5
57.5°	319.4
60°	271.1
62.5°	223.0
65°	179.9
67.5°	139.4
70°	103.9
72.5°	71.0
75°	43.1
77.5°	20.2
80°	5.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)