

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: P204385

Luminaire Tested: **LE_6B30D010 EC6B30508050 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204385
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_6B30D010 EC6B30508050 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3653.9 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

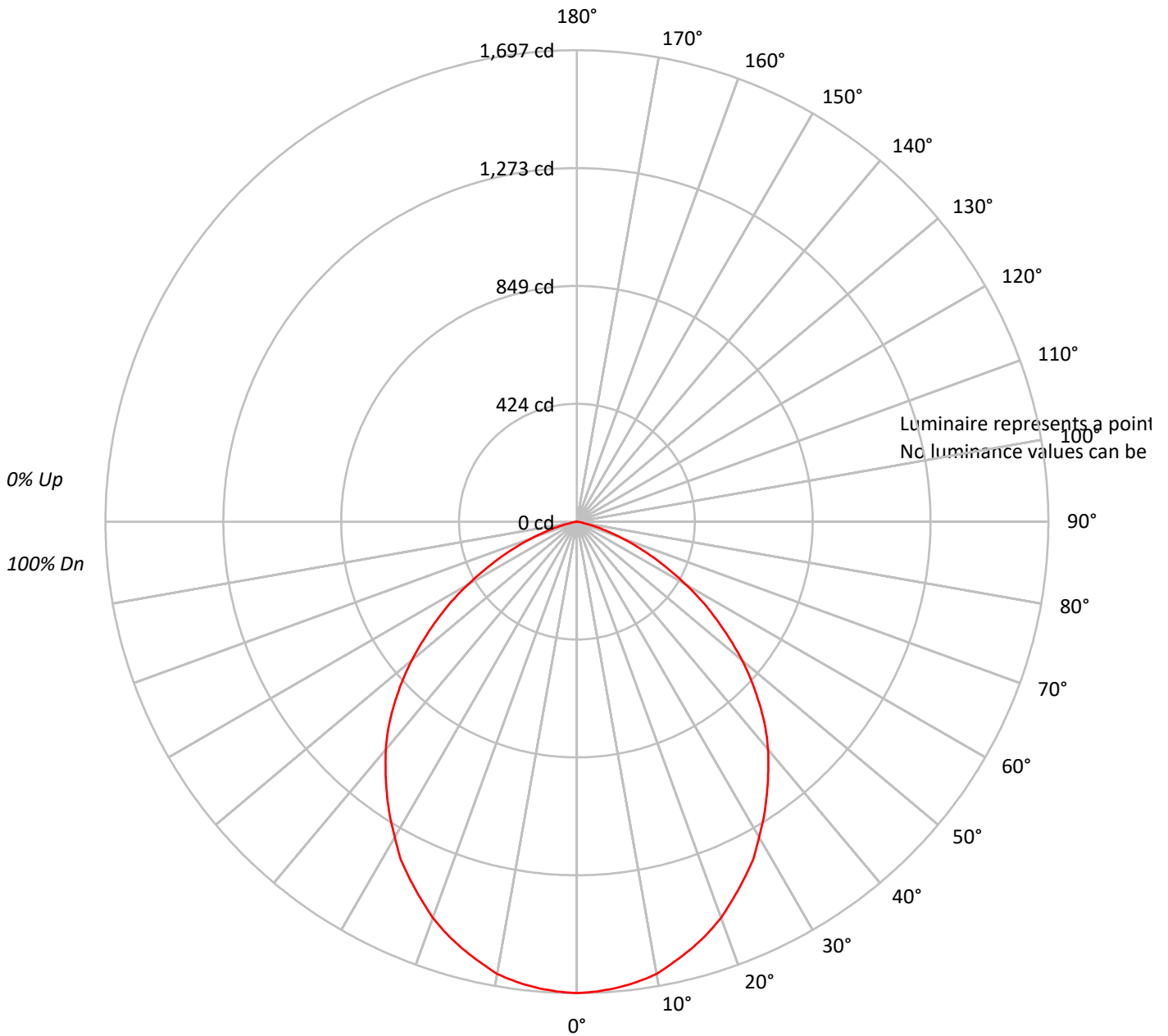
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204385

CATALOG NUMBER: LE_6B30D010 EC6B30508050 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204385

CATALOG NUMBER: LE_6B30D010 EC6B30508050 6LBSGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88																			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66																			
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57																			
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50																			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45																			
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40																			
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36																			
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32																			
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204385

CATALOG NUMBER: LE_6B30D010 EC6B30508050 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	4.4
10°-20°	448.5	12.3
20°-30°	654.1	17.9
30°-40°	746.0	20.4
40°-50°	715.6	19.6
50°-60°	548.0	15.0
60°-70°	300.8	8.2
70°-80°	80.0	2.2
80°-90°	1.2	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°	1262.4	34.6
0°-40°	2008.4	55.0
0°-60°	3272.0	89.5
0°-90°	3653.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3653.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1697	
5°	1684	160
15°	1592	449
25°	1421	654
35°	1193	746
45°	930	716
55°	614	548
65°	303	301
75°	70	80
85°	0	1
90°	0	



TEST NUMBER: P204385

CATALOG NUMBER: LE_6B30D010 EC6B30508050 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1697.0
2.5°	1692.6
5°	1683.9
7.5°	1670.8
10°	1653.2
12.5°	1622.5
15°	1591.8
17.5°	1556.8
20°	1517.2
22.5°	1469.0
25°	1420.8
27.5°	1372.5
30°	1311.1
32.5°	1254.1
35°	1192.8
37.5°	1131.4
40°	1070.0
42.5°	1004.2
45°	929.6
47.5°	855.1
50°	776.1
52.5°	692.9
55°	613.9
57.5°	535.0
60°	451.6
62.5°	372.8
65°	302.6
67.5°	232.4
70°	171.0
72.5°	114.0
75°	70.1
77.5°	30.8
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)