

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: P205515

Luminaire Tested: **LE_6B30D010 EC6B30509027 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205515
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 EC6B30509027 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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

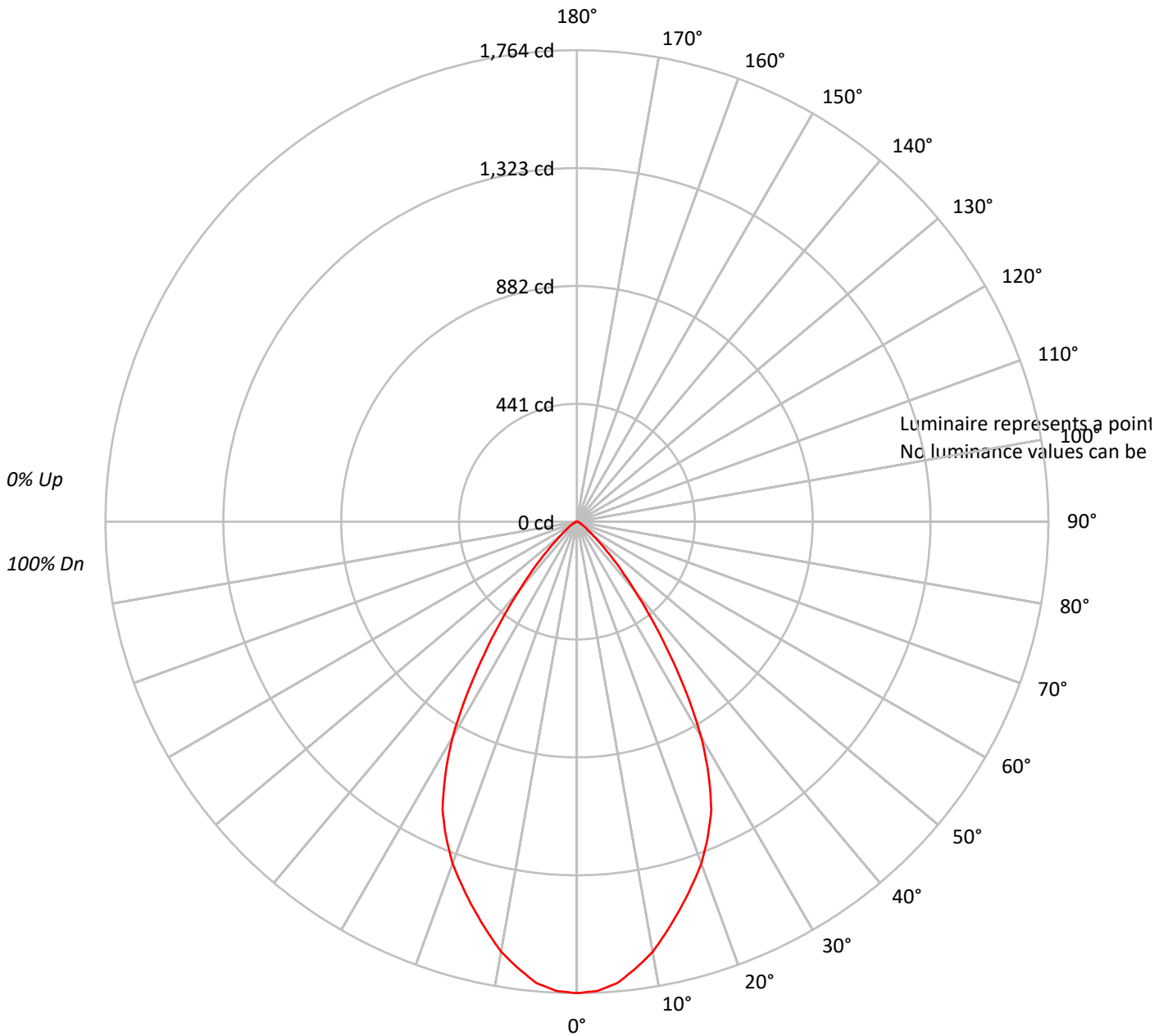
Lumens per Lamp: N/A
Luminaire Lumens: 1692.9 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 28
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: P205515
CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBMGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P205515

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBMGPH1

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	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	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																																				
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																																				
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79																																				
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73																																				
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68																																				
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63																																				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																																				
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55																																				
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51																																				
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48																																				

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205515

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBMGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	9.6
10°-20°	420.5	24.8
20°-30°	535.8	31.6
30°-40°	378.7	22.4
40°-50°	138.3	8.2
50°-60°	38.3	2.3
60°-70°	13.9	0.8
70°-80°	5.0	0.3
80°-90°	0.5	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°	1118.3	66.1
0°-40°	1497.0	88.4
0°-60°	1673.6	98.9
0°-90°	1692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1764	
5°	1733	162
15°	1497	421
25°	1190	536
35°	602	379
45°	168	138
55°	41	38
65°	14	14
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P205515

CATALOG NUMBER: LE_6B30D010 EC6B30509027 6LBMGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1764.0
2.5°	1757.2
5°	1733.2
7.5°	1685.4
10°	1634.1
12.5°	1565.8
15°	1497.4
17.5°	1429.0
20°	1360.6
22.5°	1278.6
25°	1189.8
27.5°	1066.6
30°	929.9
32.5°	765.8
35°	601.8
37.5°	458.1
40°	335.0
42.5°	242.8
45°	167.5
47.5°	112.9
50°	75.2
52.5°	51.2
55°	41.0
57.5°	30.8
60°	23.9
62.5°	17.1
65°	13.6
67.5°	10.2
70°	6.9
72.5°	6.9
75°	3.4
77.5°	3.4
80°	3.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)