

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: P204419

Luminaire Tested: **LE_6B50D010R EC6B30509730 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204419
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_6B50D010R EC6B30509730 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765.7 lumens
Efficiency: N/A
Efficacy: 81.0 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

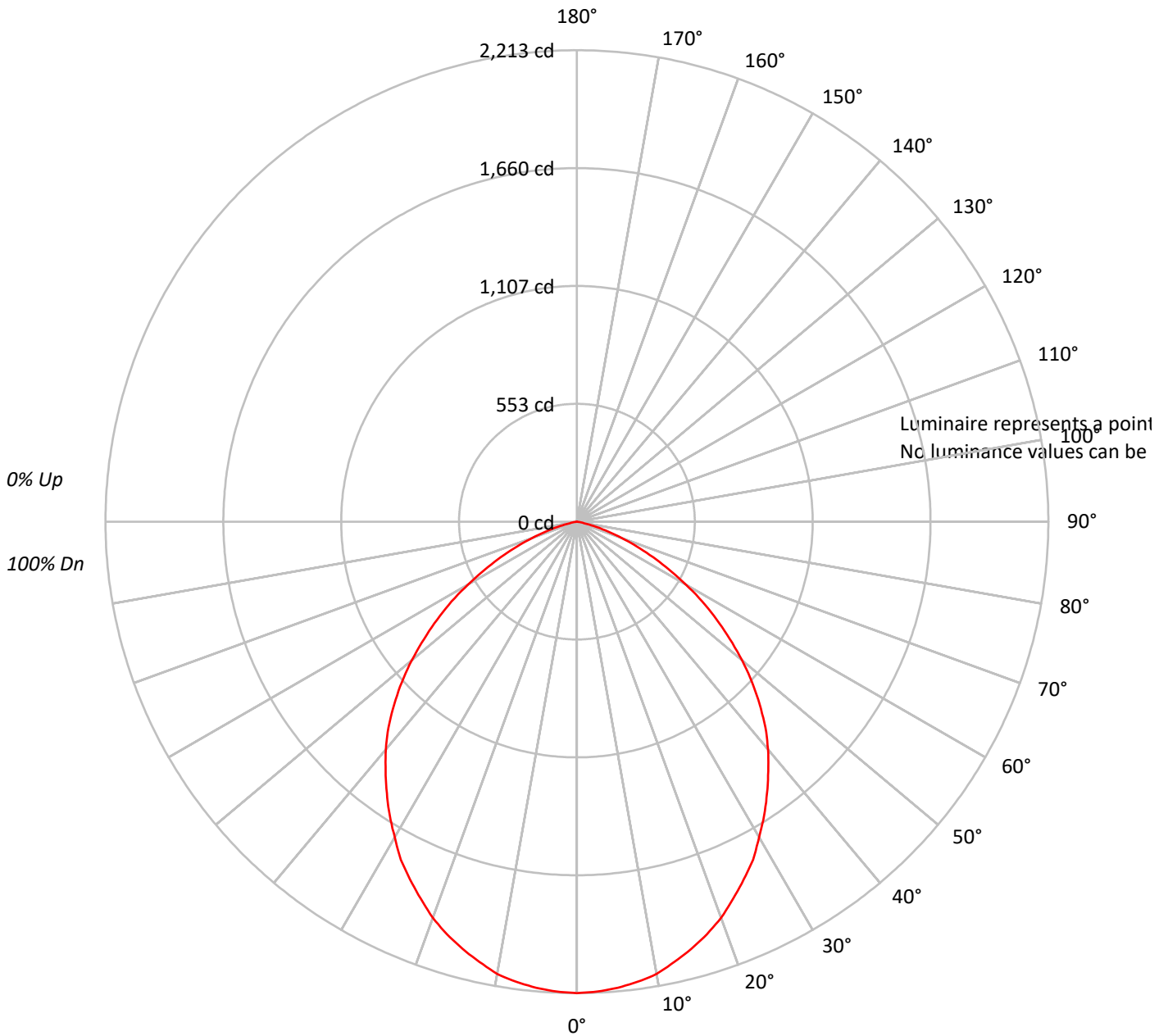
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204419

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204419

CATALOG NUMBER: LE_6B50D010R EC6B30509730 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: P204419

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	4.4
10°-20°	585.0	12.3
20°-30°	853.2	17.9
30°-40°	973.0	20.4
40°-50°	933.3	19.6
50°-60°	714.8	15.0
60°-70°	392.2	8.2
70°-80°	104.3	2.2
80°-90°	1.6	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°	1646.6	34.6
0°-40°	2619.5	55.0
0°-60°	4267.6	89.5
0°-90°	4765.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2213	
5°	2196	208
15°	2076	585
25°	1853	853
35°	1556	973
45°	1212	933
55°	801	715
65°	395	392
75°	92	104
85°	0	2
90°	0	



TEST NUMBER: P204419

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2213.4
2.5°	2207.8
5°	2196.2
7.5°	2179.1
10°	2156.2
12.5°	2116.2
15°	2076.1
17.5°	2030.4
20°	1978.9
22.5°	1916.0
25°	1853.1
27.5°	1790.2
30°	1710.1
32.5°	1635.8
35°	1555.8
37.5°	1475.6
40°	1395.5
42.5°	1309.8
45°	1212.5
47.5°	1115.2
50°	1012.4
52.5°	903.6
55°	800.8
57.5°	697.8
60°	589.1
62.5°	486.1
65°	394.6
67.5°	303.1
70°	223.0
72.5°	148.8
75°	91.5
77.5°	40.0
80°	11.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)