

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: P204398

Luminaire Tested: **LE_6B40D010 EC6B30508050 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204398
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_6B40D010 EC6B30508050 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5165.6 lumens
Efficiency: N/A
Efficacy: 123.6 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

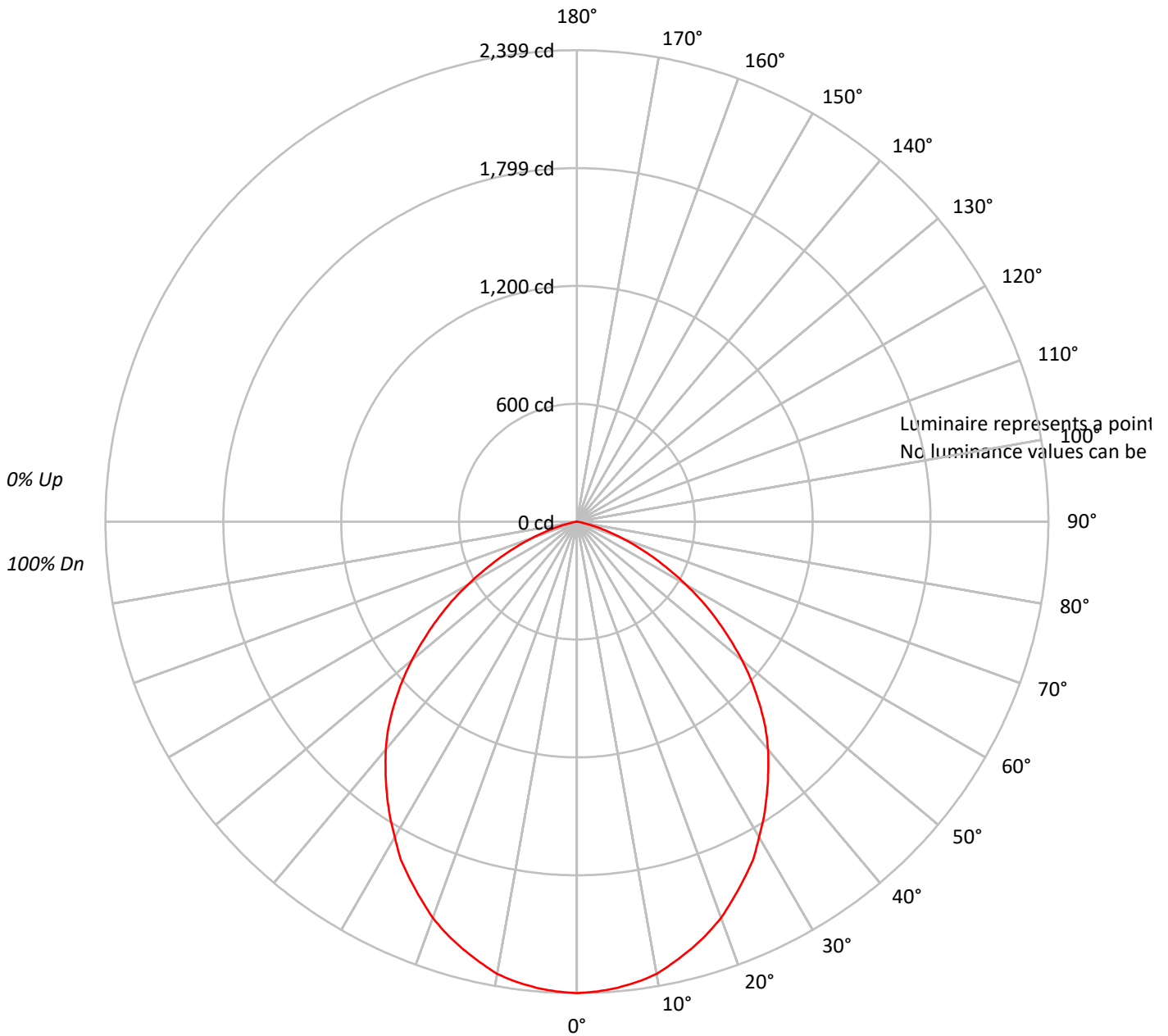
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204398

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P204398

CATALOG NUMBER: LE_6B40D010 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: P204398

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	4.4
10°-20°	634.1	12.3
20°-30°	924.8	17.9
30°-40°	1054.6	20.4
40°-50°	1011.6	19.6
50°-60°	774.8	15.0
60°-70°	425.2	8.2
70°-80°	113.0	2.2
80°-90°	1.7	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°	1784.8	34.6
0°-40°	2839.3	55.0
0°-60°	4625.7	89.5
0°-90°	5165.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5165.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2399	
5°	2381	226
15°	2250	634
25°	2009	925
35°	1686	1055
45°	1314	1012
55°	868	775
65°	428	425
75°	99	113
85°	0	2
90°	0	



TEST NUMBER: P204398

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2399.2
2.5°	2393.0
5°	2380.6
7.5°	2362.0
10°	2337.2
12.5°	2293.8
15°	2250.4
17.5°	2200.8
20°	2145.0
22.5°	2076.9
25°	2008.6
27.5°	1940.4
30°	1853.6
32.5°	1773.0
35°	1686.2
37.5°	1599.5
40°	1512.6
42.5°	1419.6
45°	1314.2
47.5°	1208.9
50°	1097.2
52.5°	979.5
55°	867.9
57.5°	756.4
60°	638.5
62.5°	527.0
65°	427.8
67.5°	328.6
70°	241.8
72.5°	161.1
75°	99.2
77.5°	43.4
80°	12.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)