

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: P202557

Luminaire Tested: **LE_6B50D010R EC6B30508050 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202557
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 EC6B30508050 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7269.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

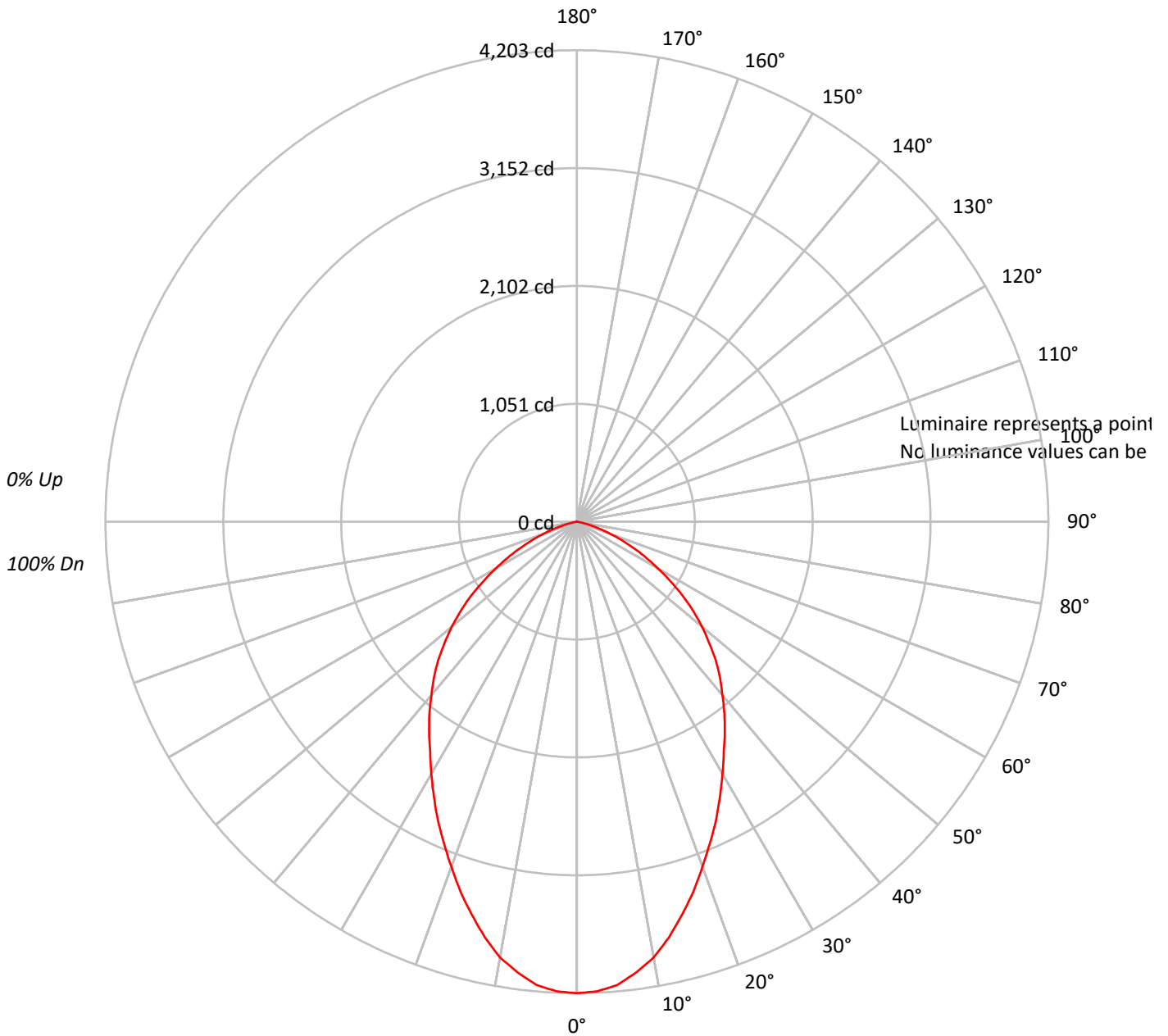
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202557

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202557

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSWMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	94	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202557

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.9	5.4
10°-20°	1016.6	14.0
20°-30°	1348.0	18.5
30°-40°	1437.8	19.8
40°-50°	1344.1	18.5
50°-60°	1024.8	14.1
60°-70°	557.4	7.7
70°-80°	149.5	2.1
80°-90°	1.8	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°	2753.5	37.9
0°-40°	4191.3	57.7
0°-60°	6560.2	90.2
0°-90°	7269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7269.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4203	
5°	4146	389
15°	3624	1017
25°	2934	1348
35°	2298	1438
45°	1750	1344
55°	1153	1025
65°	557	557
75°	129	150
85°	0	2
90°	0	



TEST NUMBER: P202557

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4203.4
2.5°	4190.0
5°	4145.5
7.5°	4052.0
10°	3945.1
12.5°	3793.8
15°	3624.5
17.5°	3455.4
20°	3272.8
22.5°	3099.1
25°	2934.4
27.5°	2760.8
30°	2596.0
32.5°	2435.6
35°	2297.6
37.5°	2159.6
40°	2017.1
42.5°	1888.0
45°	1750.0
47.5°	1598.5
50°	1456.0
52.5°	1304.6
55°	1153.2
57.5°	988.5
60°	837.1
62.5°	694.6
65°	556.6
67.5°	431.9
70°	316.1
72.5°	218.1
75°	129.1
77.5°	57.9
80°	13.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)