

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: P205539

Luminaire Tested: **LE_6B50D010R EC6B30508050 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205539
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 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 3859.3 lumens
Efficiency: N/A
Efficacy: 65.6 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

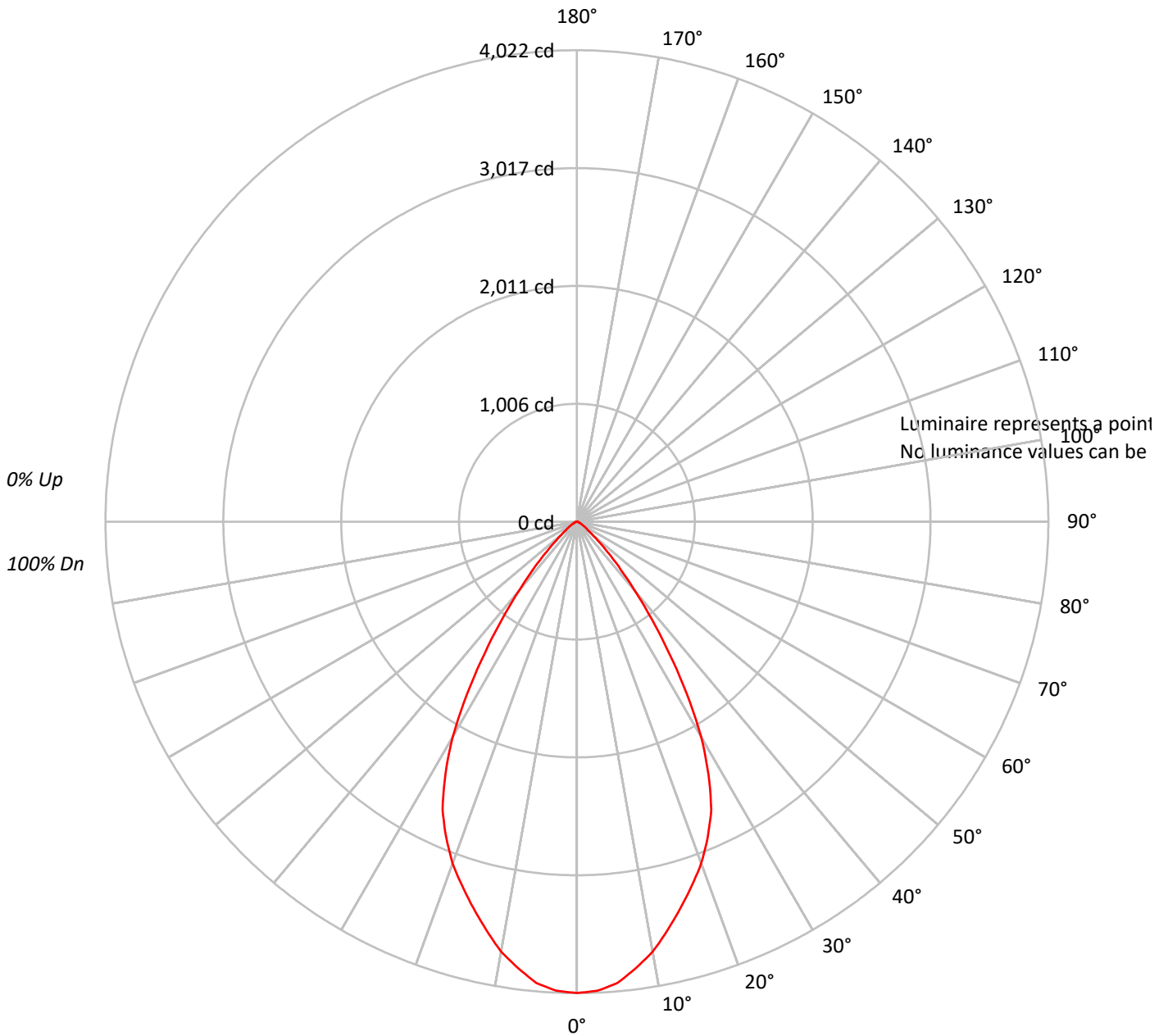
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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
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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.4	9.6
10°-20°	958.7	24.8
20°-30°	1221.4	31.6
30°-40°	863.2	22.4
40°-50°	315.1	8.2
50°-60°	87.3	2.3
60°-70°	31.7	0.8
70°-80°	11.3	0.3
80°-90°	1.1	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°	2549.5	66.1
0°-40°	3412.8	88.4
0°-60°	3815.3	98.9
0°-90°	3859.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4022	
5°	3951	369
15°	3414	959
25°	2712	1221
35°	1372	863
45°	382	315
55°	94	87
65°	31	32
75°	8	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4021.6
2.5°	4006.0
5°	3951.4
7.5°	3842.4
10°	3725.4
12.5°	3569.5
15°	3413.6
17.5°	3257.8
20°	3101.9
22.5°	2914.9
25°	2712.2
27.5°	2431.6
30°	2119.9
32.5°	1745.8
35°	1371.8
37.5°	1044.4
40°	763.8
42.5°	553.4
45°	381.9
47.5°	257.2
50°	171.5
52.5°	116.9
55°	93.5
57.5°	70.1
60°	54.5
62.5°	39.0
65°	31.1
67.5°	23.4
70°	15.6
72.5°	15.6
75°	7.8
77.5°	7.8
80°	7.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)