

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: P203899

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203899
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 EC6B30509030 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2869.9 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

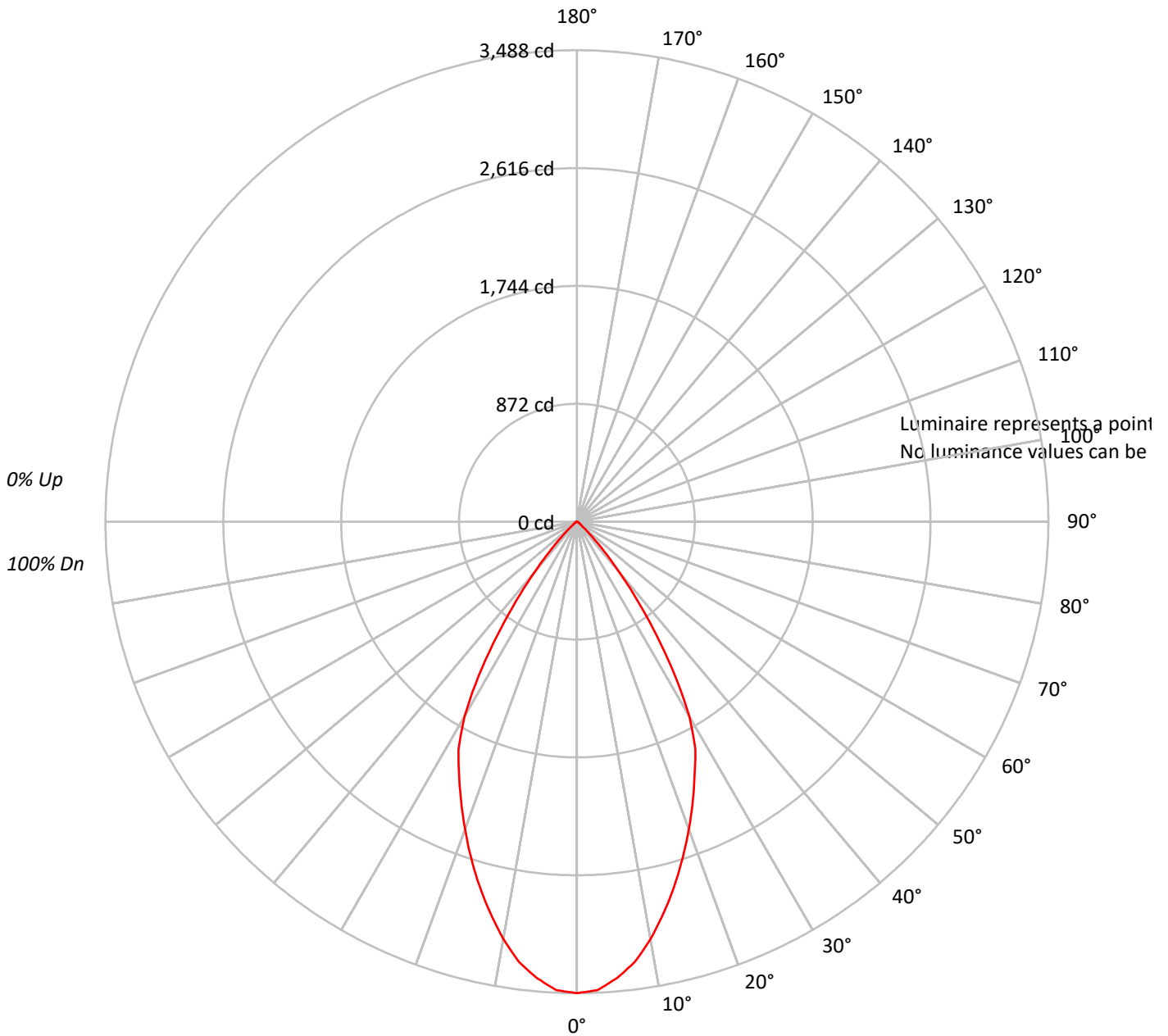
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76			
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	11.0
10°-20°	778.8	27.1
20°-30°	943.6	32.9
30°-40°	643.1	22.4
40°-50°	153.1	5.3
50°-60°	24.0	0.8
60°-70°	8.8	0.3
70°-80°	2.5	0.1
80°-90°	0.0	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°	2038.3	71.0
0°-40°	2681.4	93.4
0°-60°	2858.5	99.6
0°-90°	2869.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3488	
5°	3390	316
15°	2788	779
25°	2062	944
35°	1028	643
45°	164	153
55°	26	24
65°	6	9
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3488.4
2.5°	3468.8
5°	3390.2
7.5°	3285.5
10°	3135.0
12.5°	2964.8
15°	2788.1
17.5°	2604.9
20°	2421.6
22.5°	2238.4
25°	2061.6
27.5°	1898.0
30°	1662.4
32.5°	1354.8
35°	1027.5
37.5°	733.0
40°	484.4
42.5°	301.0
45°	163.6
47.5°	85.1
50°	45.9
52.5°	32.8
55°	26.1
57.5°	19.6
60°	13.1
62.5°	13.1
65°	6.5
67.5°	6.5
70°	6.5
72.5°	6.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)