

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: P204517

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204517
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 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5223.3 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

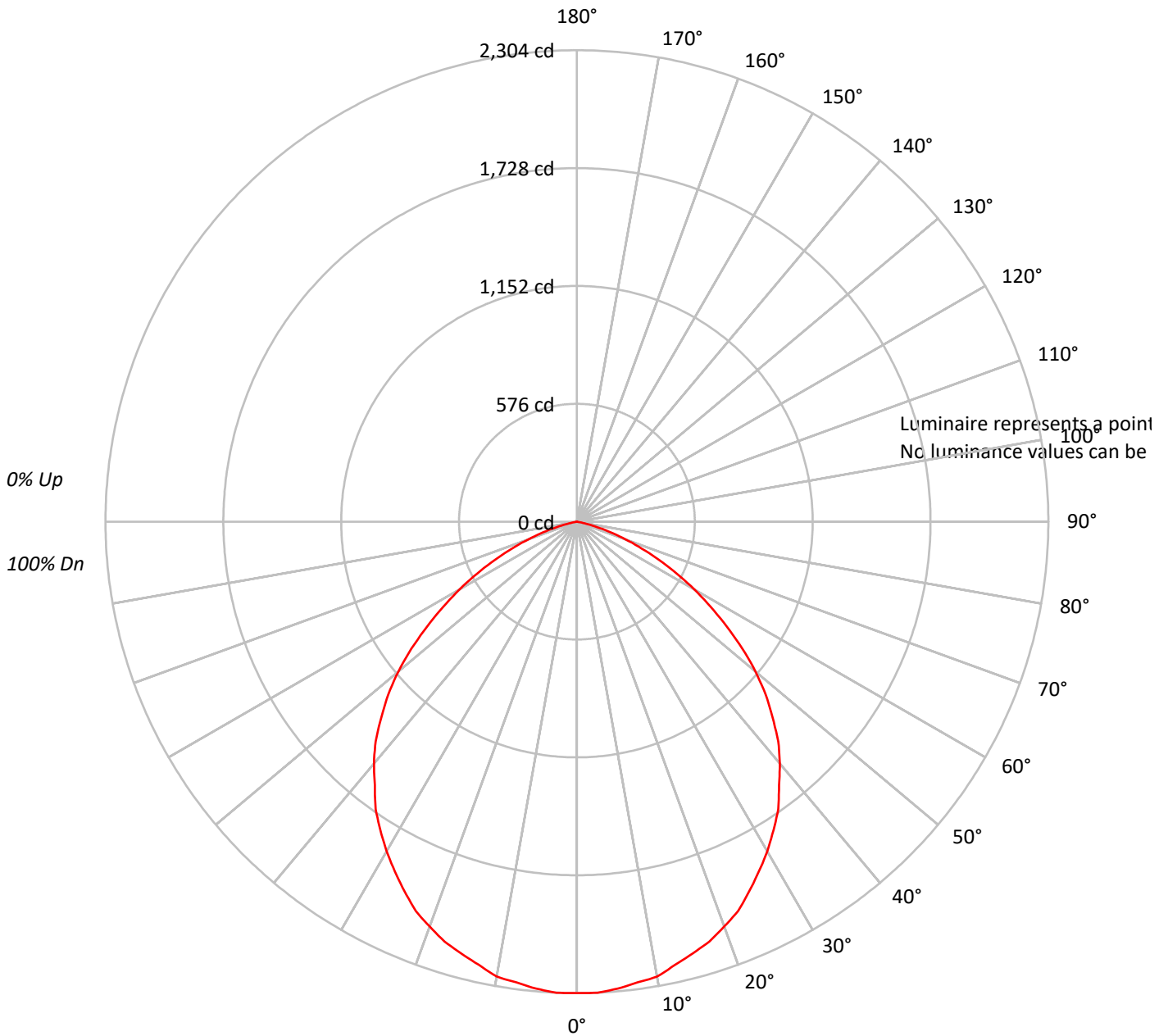
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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			100																
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			76																
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65			65																
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57			57																
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50			50																
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			44																
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			39																
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35																
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32																
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	4.2
10°-20°	617.1	11.8
20°-30°	917.9	17.6
30°-40°	1068.2	20.4
40°-50°	1041.1	19.9
50°-60°	800.8	15.3
60°-70°	442.6	8.5
70°-80°	117.3	2.2
80°-90°	0.9	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°	1752.4	33.6
0°-40°	2820.6	54.0
0°-60°	4662.5	89.3
0°-90°	5223.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5223.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2304	
5°	2291	217
15°	2185	617
25°	1993	918
35°	1715	1068
45°	1351	1041
55°	894	801
65°	444	443
75°	99	117
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2304.1
2.5°	2304.1
5°	2290.9
7.5°	2271.1
10°	2257.9
12.5°	2218.1
15°	2185.0
17.5°	2151.9
20°	2105.5
22.5°	2059.2
25°	1993.0
27.5°	1926.8
30°	1860.5
32.5°	1787.8
35°	1714.9
37.5°	1622.2
40°	1542.8
42.5°	1456.6
45°	1350.8
47.5°	1251.4
50°	1138.9
52.5°	1019.6
55°	893.9
57.5°	774.6
60°	662.1
62.5°	549.5
65°	443.6
67.5°	344.2
70°	251.6
72.5°	172.1
75°	99.4
77.5°	46.4
80°	6.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)