

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: P204827

Luminaire Tested: **LE_6B50D010R EC6B30509027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204827
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 EC6B30509027 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6027.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

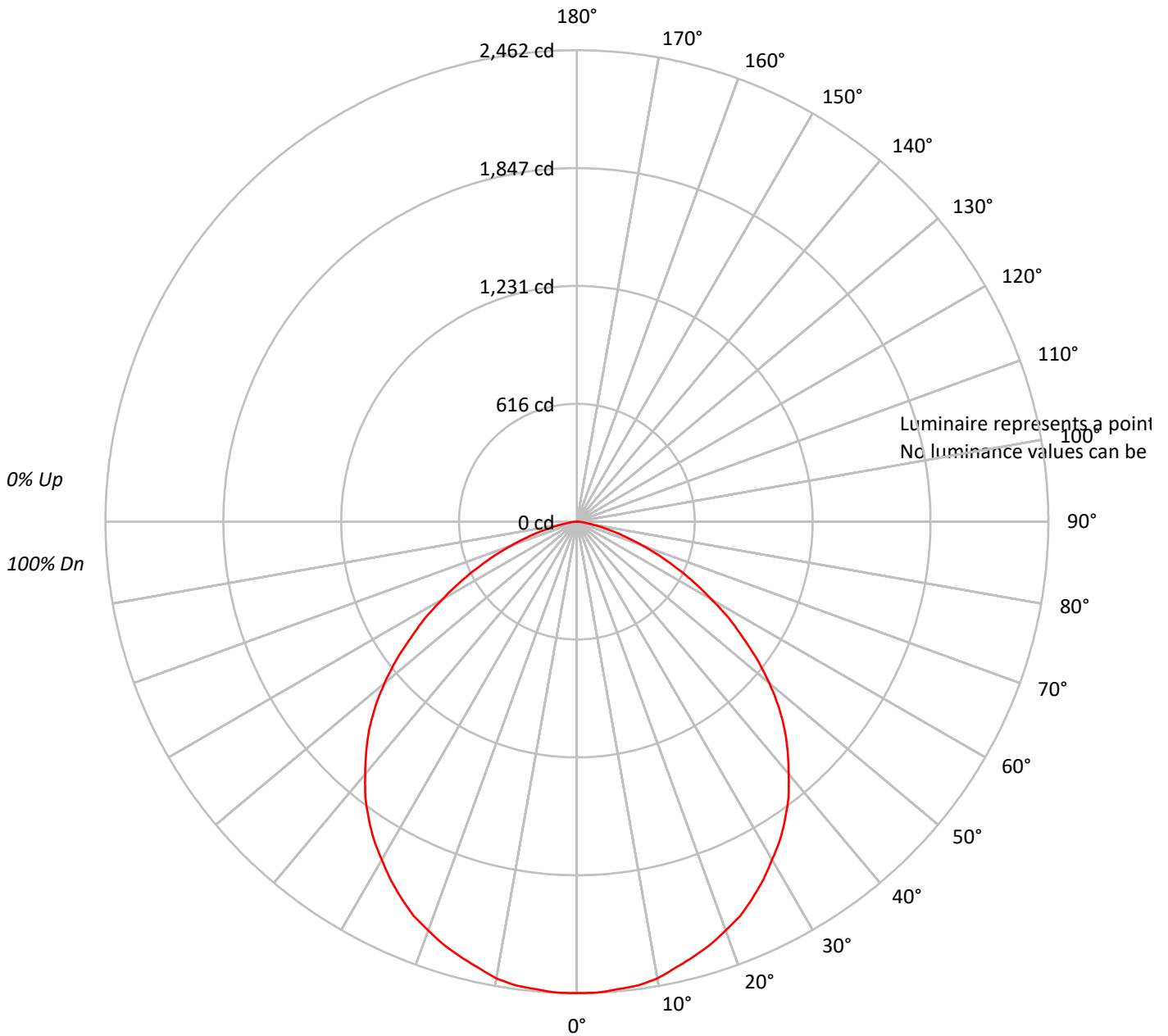
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	3.9
10°-20°	664.0	11.0
20°-30°	998.9	16.6
30°-40°	1183.9	19.6
40°-50°	1178.1	19.5
50°-60°	949.7	15.8
60°-70°	574.5	9.5
70°-80°	213.3	3.5
80°-90°	31.8	0.5
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°	1896.2	31.5
0°-40°	3080.1	51.1
0°-60°	5208.0	86.4
0°-90°	6027.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6027.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2462	
5°	2451	233
15°	2352	664
25°	2170	999
35°	1896	1184
45°	1534	1178
55°	1059	950
65°	577	575
75°	194	213
85°	26	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2461.9
2.5°	2461.9
5°	2450.9
7.5°	2443.6
10°	2421.8
12.5°	2385.1
15°	2352.2
17.5°	2315.8
20°	2272.0
22.5°	2228.1
25°	2169.6
27.5°	2107.6
30°	2038.1
32.5°	1972.4
35°	1895.8
37.5°	1815.4
40°	1720.4
42.5°	1629.1
45°	1534.1
47.5°	1428.1
50°	1311.2
52.5°	1190.8
55°	1059.2
57.5°	942.4
60°	810.9
62.5°	694.0
65°	577.1
67.5°	467.5
70°	365.2
72.5°	274.0
75°	193.6
77.5°	124.2
80°	73.0
82.5°	43.9
85°	25.6
87.5°	11.0
90°	0.0



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— 0°-180°







(END OF REPORT)