

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: P205039

Luminaire Tested: **LE_6B60D010R EC6B60708027 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205039
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_6B60D010R EC6B60708027 6LBCS1MMS
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7344.4 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

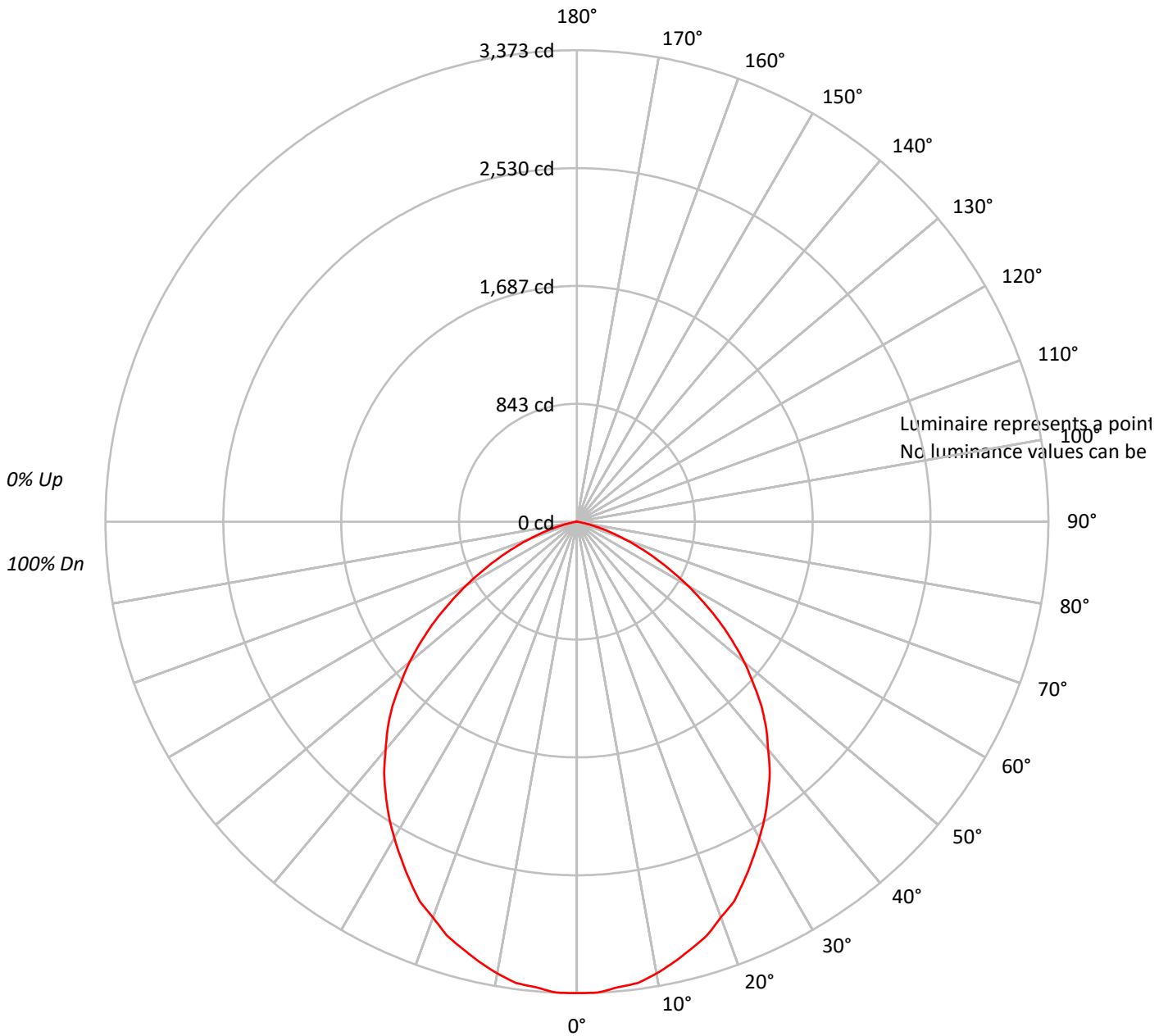
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	91	90	88			88																
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			76																
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65			65																
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57			57																
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50			50																
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44			44																
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40			40																
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			36																
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32			32																
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29			29																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	4.3
10°-20°	891.9	12.1
20°-30°	1302.7	17.7
30°-40°	1489.9	20.3
40°-50°	1431.9	19.5
50°-60°	1105.7	15.1
60°-70°	617.1	8.4
70°-80°	179.6	2.4
80°-90°	7.8	0.1
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°	2512.4	34.2
0°-40°	4002.3	54.5
0°-60°	6539.9	89.0
0°-90°	7344.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7344.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3373	
5°	3344	318
15°	3164	892
25°	2831	1303
35°	2385	1490
45°	1867	1432
55°	1240	1106
65°	618	617
75°	157	180
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3372.8
2.5°	3372.8
5°	3344.2
7.5°	3330.0
10°	3282.5
12.5°	3225.5
15°	3163.8
17.5°	3102.0
20°	3011.8
22.5°	2940.5
25°	2831.2
27.5°	2722.0
30°	2612.6
32.5°	2503.4
35°	2384.6
37.5°	2265.9
40°	2128.1
42.5°	2004.6
45°	1866.9
47.5°	1710.1
50°	1562.9
52.5°	1401.4
55°	1239.9
57.5°	1073.6
60°	916.9
62.5°	760.0
65°	617.5
67.5°	484.5
70°	361.0
72.5°	251.8
75°	156.8
77.5°	80.8
80°	28.5
82.5°	9.5
85°	4.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)