

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: P205041

Luminaire Tested: **LE_6B60D010R EC6B60708035 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205041
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 EC6B60708035 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: 7874.5 lumens
Efficiency: N/A
Efficacy: 126.0 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

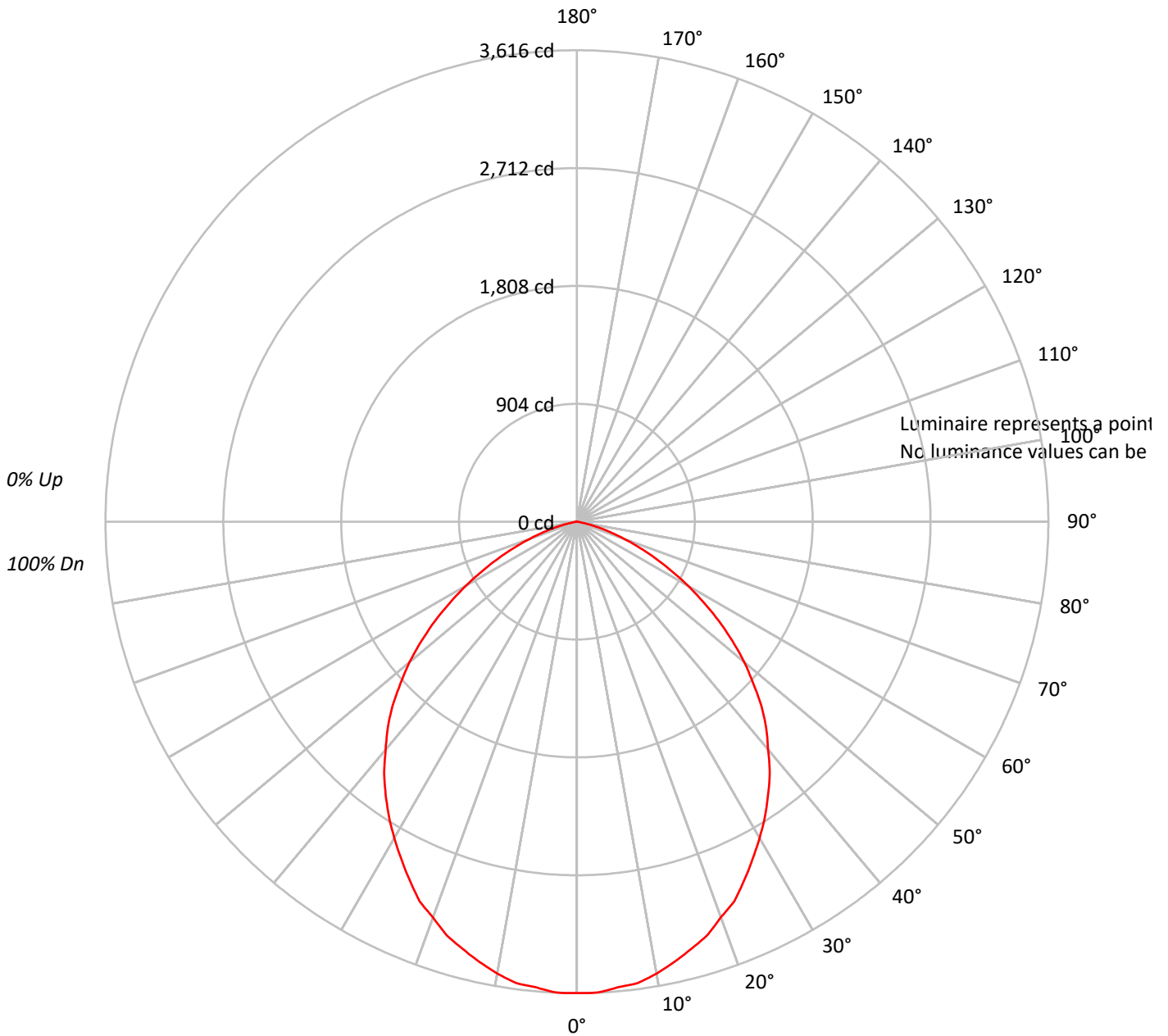
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	340.8	4.3
10°-20°	956.2	12.1
20°-30°	1396.7	17.7
30°-40°	1597.5	20.3
40°-50°	1535.3	19.5
50°-60°	1185.5	15.1
60°-70°	661.7	8.4
70°-80°	192.6	2.4
80°-90°	8.3	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°	2693.7	34.2
0°-40°	4291.2	54.5
0°-60°	7011.9	89.0
0°-90°	7874.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7874.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3616	
5°	3586	341
15°	3392	956
25°	3036	1397
35°	2557	1597
45°	2002	1535
55°	1329	1186
65°	662	662
75°	168	193
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3616.1
2.5°	3616.1
5°	3585.6
7.5°	3570.4
10°	3519.4
12.5°	3458.2
15°	3392.1
17.5°	3325.9
20°	3229.1
22.5°	3152.6
25°	3035.5
27.5°	2918.4
30°	2801.2
32.5°	2684.1
35°	2556.8
37.5°	2429.5
40°	2281.8
42.5°	2149.4
45°	2001.6
47.5°	1833.5
50°	1675.6
52.5°	1502.5
55°	1329.4
57.5°	1151.0
60°	983.0
62.5°	814.9
65°	662.1
67.5°	519.5
70°	387.1
72.5°	270.0
75°	168.1
77.5°	86.6
80°	30.5
82.5°	10.1
85°	5.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)