

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: P204631

Luminaire Tested: **LE_6B60D010R EC6B60708050 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204631
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 EC6B60708050 6LBSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

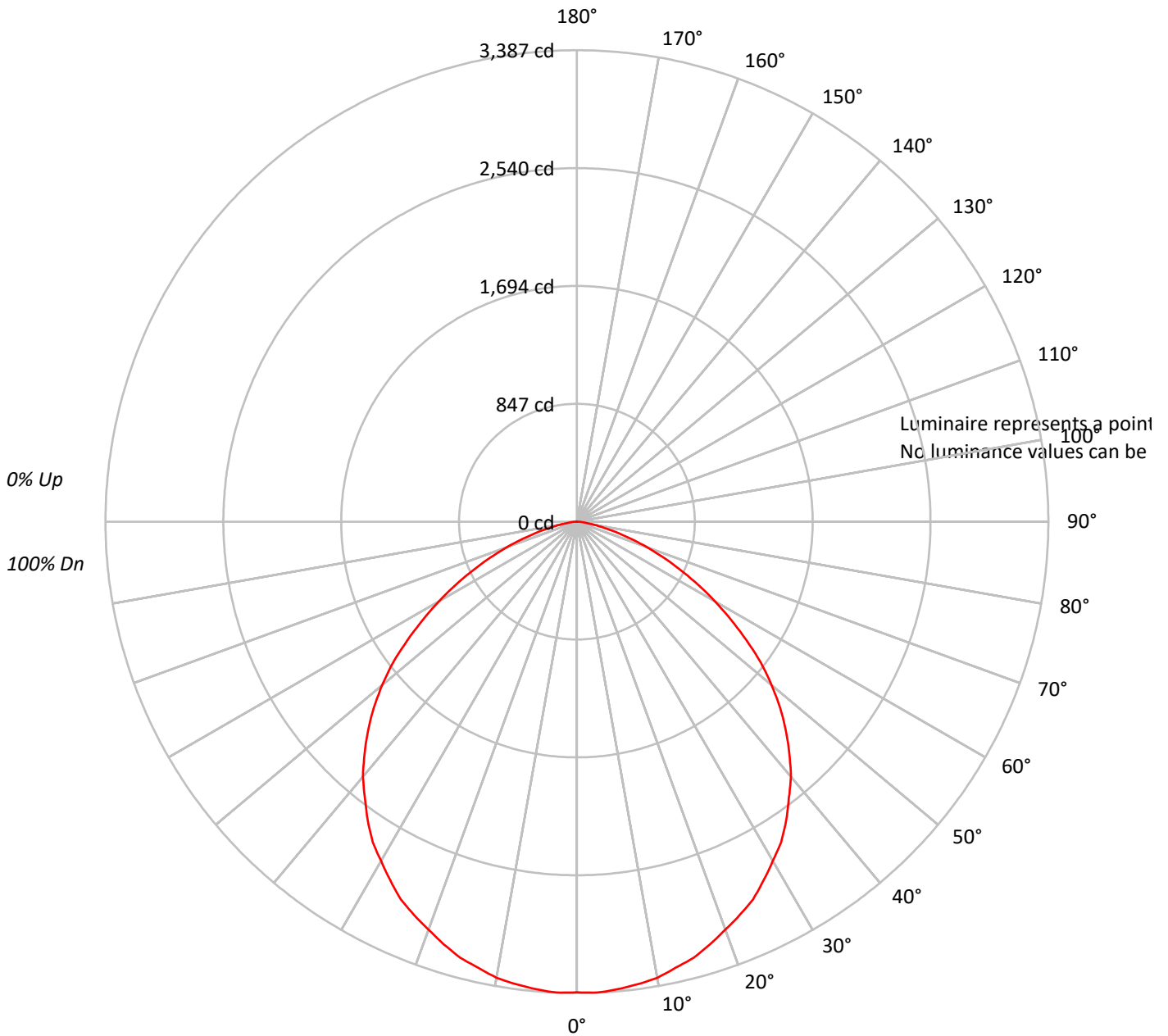
Lumens per Lamp: N/A
Luminaire Lumens: 8393.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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				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	107	104	100	97	99	97	94	96	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63				63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54				54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47				47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37				37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	3.8
10°-20°	913.4	10.9
20°-30°	1375.6	16.4
30°-40°	1636.8	19.5
40°-50°	1633.8	19.5
50°-60°	1328.7	15.8
60°-70°	817.5	9.7
70°-80°	316.7	3.8
80°-90°	50.7	0.6
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°	2609.4	31.1
0°-40°	4246.2	50.6
0°-60°	7208.7	85.9
0°-90°	8393.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8393.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3382	
5°	3372	320
15°	3242	913
25°	2994	1376
35°	2621	1637
45°	2124	1634
55°	1487	1329
65°	821	817
75°	288	317
85°	40	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3381.8
2.5°	3386.8
5°	3371.9
7.5°	3352.0
10°	3327.1
12.5°	3282.4
15°	3242.5
17.5°	3182.9
20°	3118.2
22.5°	3058.5
25°	2993.9
27.5°	2904.4
30°	2814.9
32.5°	2730.2
35°	2620.9
37.5°	2501.5
40°	2392.1
42.5°	2257.9
45°	2123.6
47.5°	1979.4
50°	1825.1
52.5°	1666.0
55°	1487.0
57.5°	1312.9
60°	1143.9
62.5°	979.8
65°	820.6
67.5°	671.4
70°	532.1
72.5°	402.9
75°	288.5
77.5°	189.0
80°	114.4
82.5°	69.6
85°	39.8
87.5°	19.9
90°	0.0



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— 0°-180°







(END OF REPORT)