

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: P204112

Luminaire Tested: **LE_6B60D010R EC6B60708030 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204112
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 EC6B60708030 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 5388.2 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

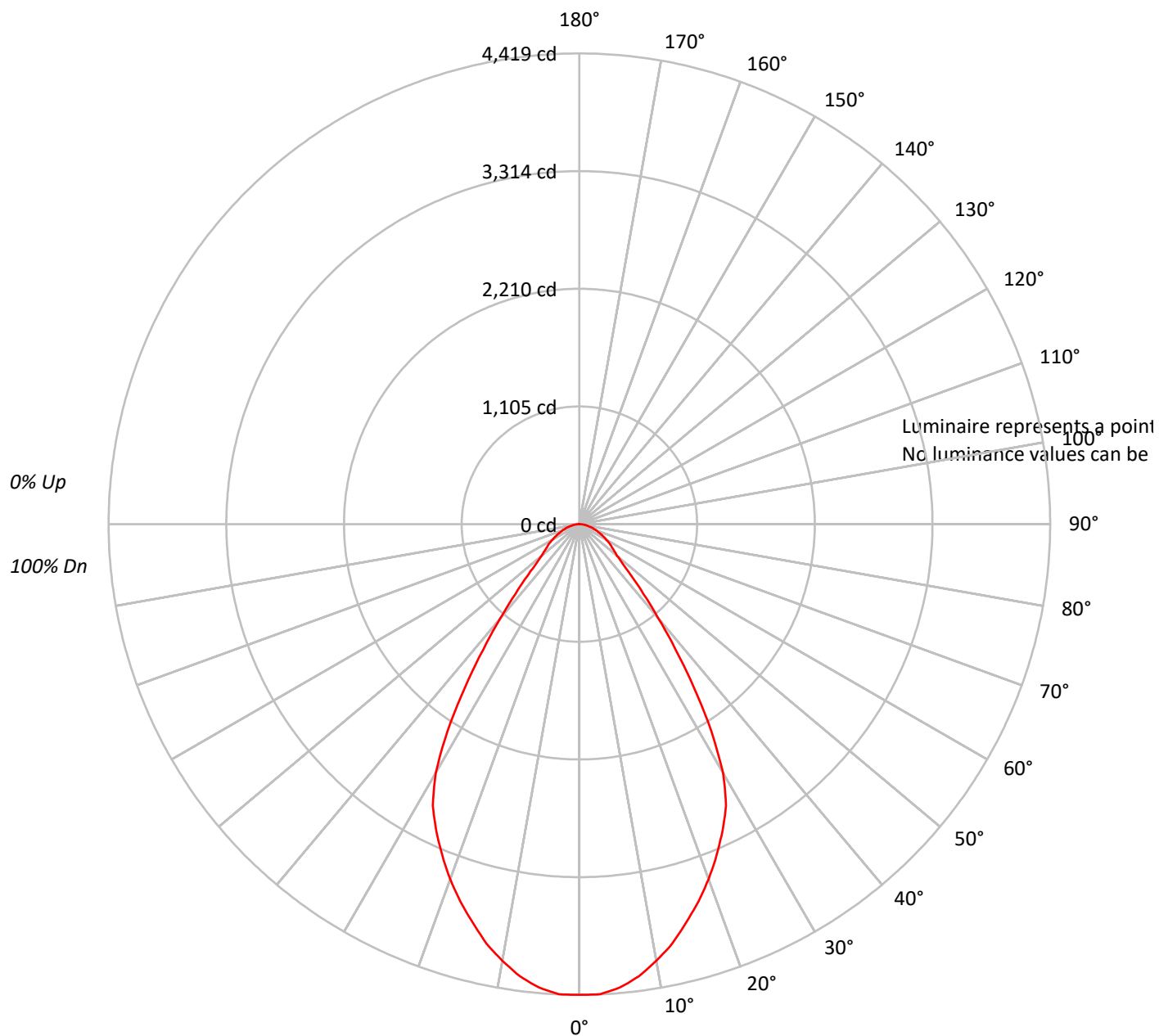
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103		109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	64		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59		80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43		64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.3	7.6
10°-20°	1087.6	20.2
20°-30°	1452.1	26.9
30°-40°	1171.5	21.7
40°-50°	561.4	10.4
50°-60°	332.8	6.2
60°-70°	221.2	4.1
70°-80°	118.5	2.2
80°-90°	32.6	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°	2950.0	54.8
0°-40°	4121.5	76.5
0°-60°	5015.7	93.1
0°-90°	5388.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5388.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4419	
5°	4368	410
15°	3871	1088
25°	3177	1452
35°	1876	1171
45°	694	561
55°	368	333
65°	223	221
75°	111	119
85°	26	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4418.9
2.5°	4418.9
5°	4367.5
7.5°	4281.9
10°	4162.0
12.5°	4033.5
15°	3870.8
17.5°	3716.6
20°	3545.4
22.5°	3365.5
25°	3177.1
27.5°	2980.1
30°	2697.5
32.5°	2303.6
35°	1875.5
37.5°	1481.5
40°	1147.5
42.5°	890.6
45°	693.6
47.5°	548.1
50°	462.5
52.5°	411.0
55°	368.2
57.5°	334.0
60°	291.1
62.5°	256.9
65°	222.6
67.5°	188.4
70°	162.8
72.5°	137.0
75°	111.4
77.5°	85.6
80°	68.5
82.5°	51.4
85°	25.8
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)