

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: P204262

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204262
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_6B15D010 EC6B10209050 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.9 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

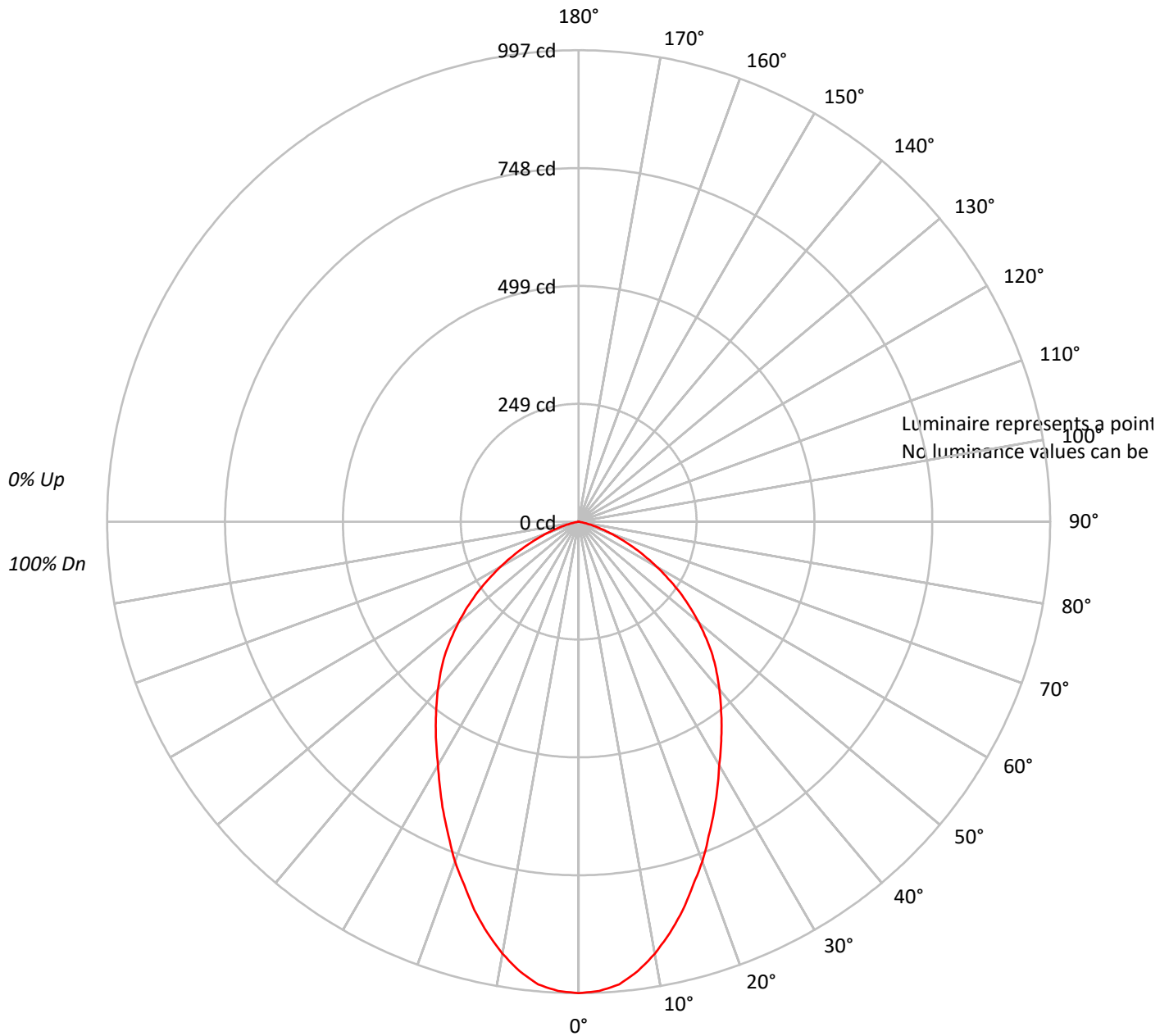
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





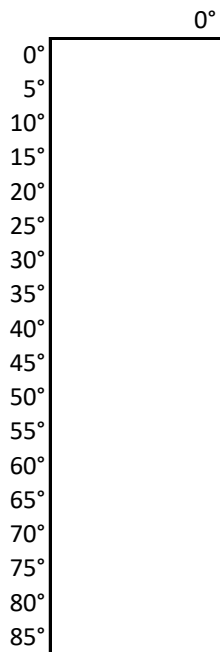
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101		108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	85		100	94	89	84		91	86	83			87	84	81			85
3	95	86	79	73		93	84	78	73		82	76	72			79	74	70			76
4	88	77	70	64		86	76	69	63		74	68	63			72	66	62			69
5	81	70	62	56		79	69	62	56		67	60	55			65	59	55			63
6	76	64	56	50		74	63	55	50		61	54	49			60	54	49			58
7	71	58	51	45		69	58	50	45		56	49	45			55	49	44			54
8	66	54	46	41		65	53	46	41		52	45	40			51	45	40			50
9	62	50	42	37		61	49	42	37		48	41	37			47	41	37			46
10	58	46	39	34		57	46	39	34		45	38	34			44	38	34			43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	5.5
10°-20°	238.0	14.2
20°-30°	311.4	18.6
30°-40°	329.7	19.7
40°-50°	307.5	18.4
50°-60°	232.9	13.9
60°-70°	126.1	7.5
70°-80°	33.8	2.0
80°-90°	0.5	0.0
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°	641.4	38.4
0°-40°	971.1	58.1
0°-60°	1511.4	90.4
0°-90°	1671.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	982	92
15°	851	238
25°	677	311
35°	527	330
45°	401	307
55°	262	233
65°	126	126
75°	29	34
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	997.1
2.5°	993.5
5°	982.5
7.5°	958.8
10°	927.6
12.5°	891.0
15°	850.8
17.5°	805.0
20°	764.8
22.5°	719.0
25°	677.0
27.5°	634.9
30°	594.6
32.5°	559.9
35°	526.9
37.5°	494.0
40°	462.9
42.5°	431.8
45°	400.6
47.5°	365.9
50°	331.1
52.5°	296.4
55°	261.6
57.5°	225.0
60°	190.2
62.5°	157.4
65°	126.2
67.5°	97.0
70°	71.4
72.5°	49.4
75°	29.2
77.5°	12.8
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)