

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: P205181

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205181
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 EC6B10208050 6LBWL1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 1917.5 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

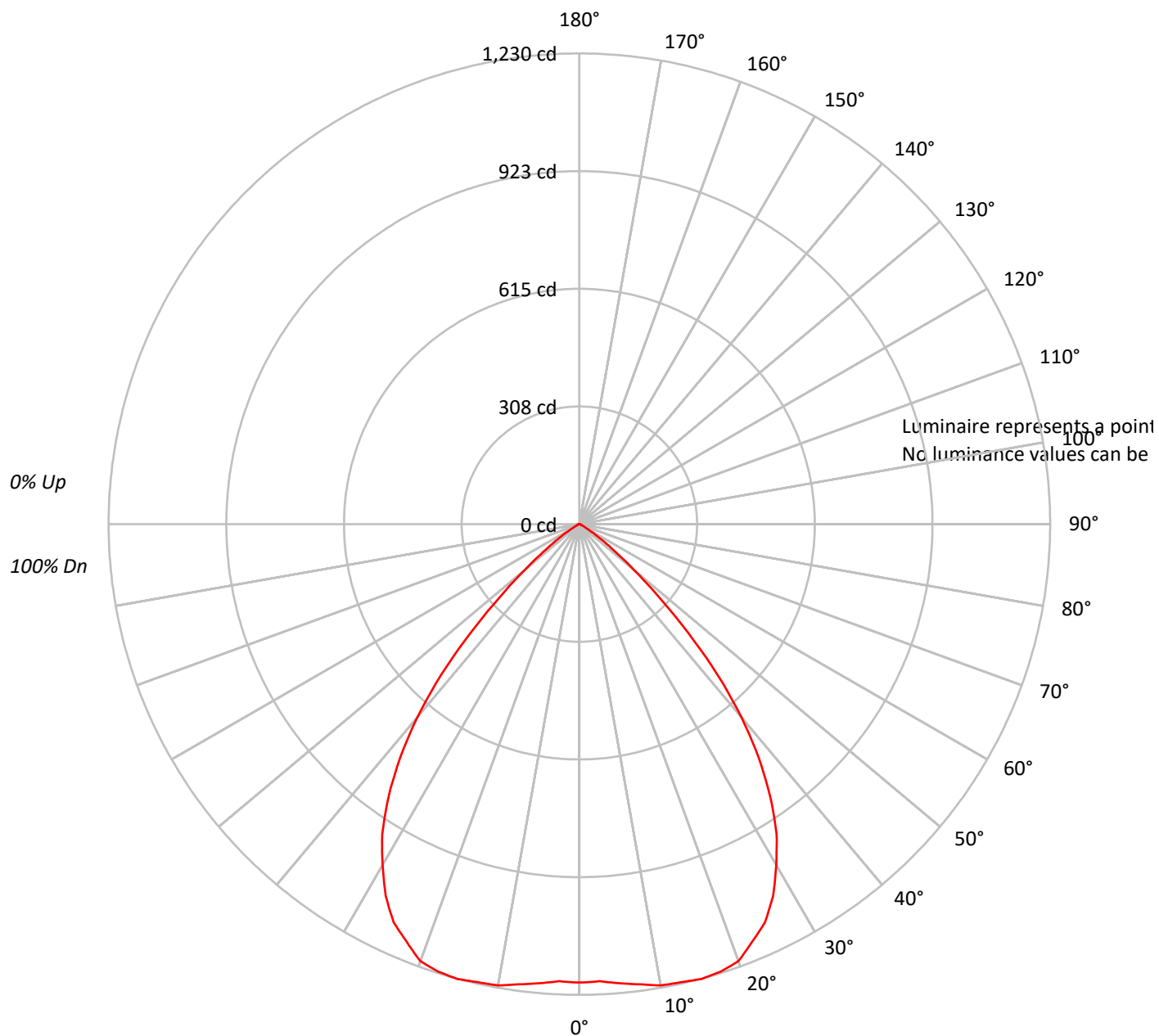
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	104	110	107	105	103		103	101	99		100	98	97		96	95	94
2	106	101	96	92	104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	92	87	82	97	91	86	81		88	84	80		86	82	79		83	80	77
4	93	85	78	74	92	84	78	73		81	76	72		79	75	71		77	74	70
5	88	78	71	66	86	77	71	66		75	70	65		73	69	65		72	68	64
6	82	72	65	60	81	71	65	60		70	64	59		68	63	59		67	62	59
7	77	67	60	55	76	66	59	55		65	59	54		63	58	54		62	57	54
8	73	62	55	50	71	61	55	50		60	54	50		59	54	50		58	53	49
9	69	57	51	46	67	57	50	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	53	47	42		52	46	42		51	46	42		51	46	42

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	6.0
10°-20°	347.3	18.1
20°-30°	523.6	27.3
30°-40°	535.9	27.9
40°-50°	312.2	16.3
50°-60°	71.8	3.7
60°-70°	8.8	0.5
70°-80°	2.2	0.1
80°-90°	0.0	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°	986.5	51.4
0°-40°	1522.4	79.4
0°-60°	1906.4	99.4
0°-90°	1917.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1917.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1198	
5°	1204	116
15°	1230	347
25°	1148	524
35°	870	536
45°	402	312
55°	70	72
65°	6	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1197.9
2.5°	1195.8
5°	1204.4
7.5°	1213.1
10°	1224.0
12.5°	1226.1
15°	1230.5
17.5°	1226.1
20°	1215.2
22.5°	1180.5
25°	1147.9
27.5°	1095.8
30°	1028.2
32.5°	958.8
35°	869.6
37.5°	769.6
40°	658.8
42.5°	534.8
45°	402.2
47.5°	280.5
50°	184.8
52.5°	117.4
55°	69.6
57.5°	37.0
60°	19.6
62.5°	10.9
65°	6.5
67.5°	6.5
70°	4.4
72.5°	2.1
75°	2.1
77.5°	2.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)