

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: P203830

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203830
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_6B10D010 EC6B10208035 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 684.7 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

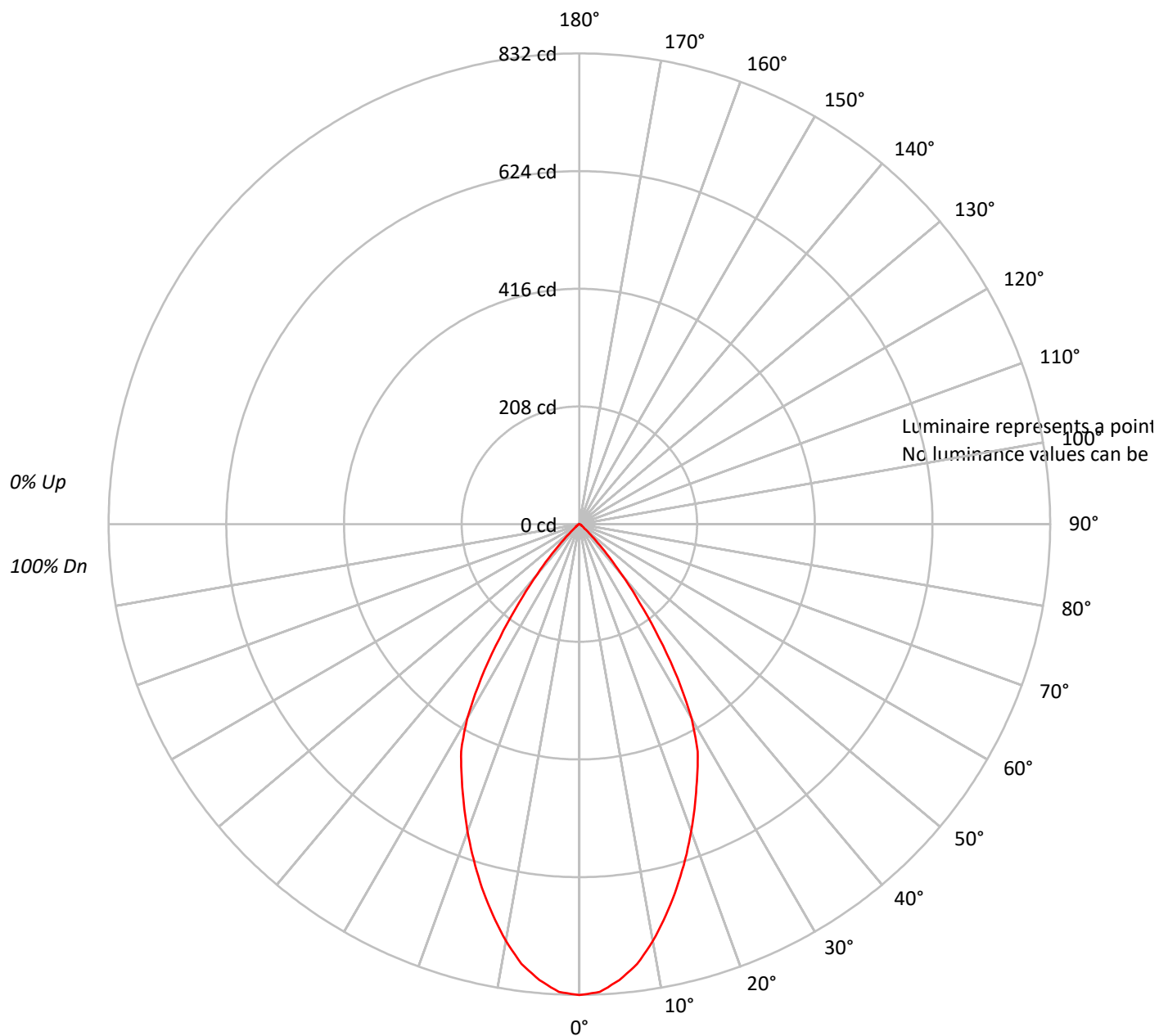
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	114	111	108	106	111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	93		95	93	91		93	91	89
3	103	96	91	87	101	95	90	87		92	88	85		90	87	84		88	85	83
4	97	90	84	80	96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	78	74	91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69	86	78	73	69		77	72	68		75	71	68		74	70	67
7	84	74	68	64	82	74	68	64		72	67	64		71	67	63		70	66	63
8	80	70	64	60	78	69	64	60		68	63	60		67	63	59		66	62	59
9	76	66	60	56	75	66	60	56		65	60	56		64	59	56		63	59	56
10	72	63	57	53	71	62	57	53		61	56	53		61	56	53		60	56	52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	11.0
10°-20°	185.8	27.1
20°-30°	225.2	32.9
30°-40°	153.4	22.4
40°-50°	36.5	5.3
50°-60°	5.7	0.8
60°-70°	2.1	0.3
70°-80°	0.6	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°	486.4	71.0
0°-40°	639.8	93.4
0°-60°	682.0	99.6
0°-90°	684.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	832	
5°	809	75
15°	665	186
25°	492	225
35°	245	153
45°	39	37
55°	6	6
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	832.4
2.5°	827.8
5°	809.0
7.5°	784.0
10°	748.1
12.5°	707.5
15°	665.2
17.5°	621.6
20°	577.9
22.5°	534.1
25°	492.0
27.5°	452.9
30°	396.6
32.5°	323.2
35°	245.2
37.5°	174.9
40°	115.6
42.5°	71.9
45°	39.0
47.5°	20.2
50°	10.9
52.5°	7.8
55°	6.2
57.5°	4.6
60°	3.1
62.5°	3.1
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
75°	0.0
77.5°	0.0
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)