

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: P203648

Luminaire Tested: **LE_6B20D010 EC6B10208030 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203648
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_6B20D010 EC6B10208030 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1602.4 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

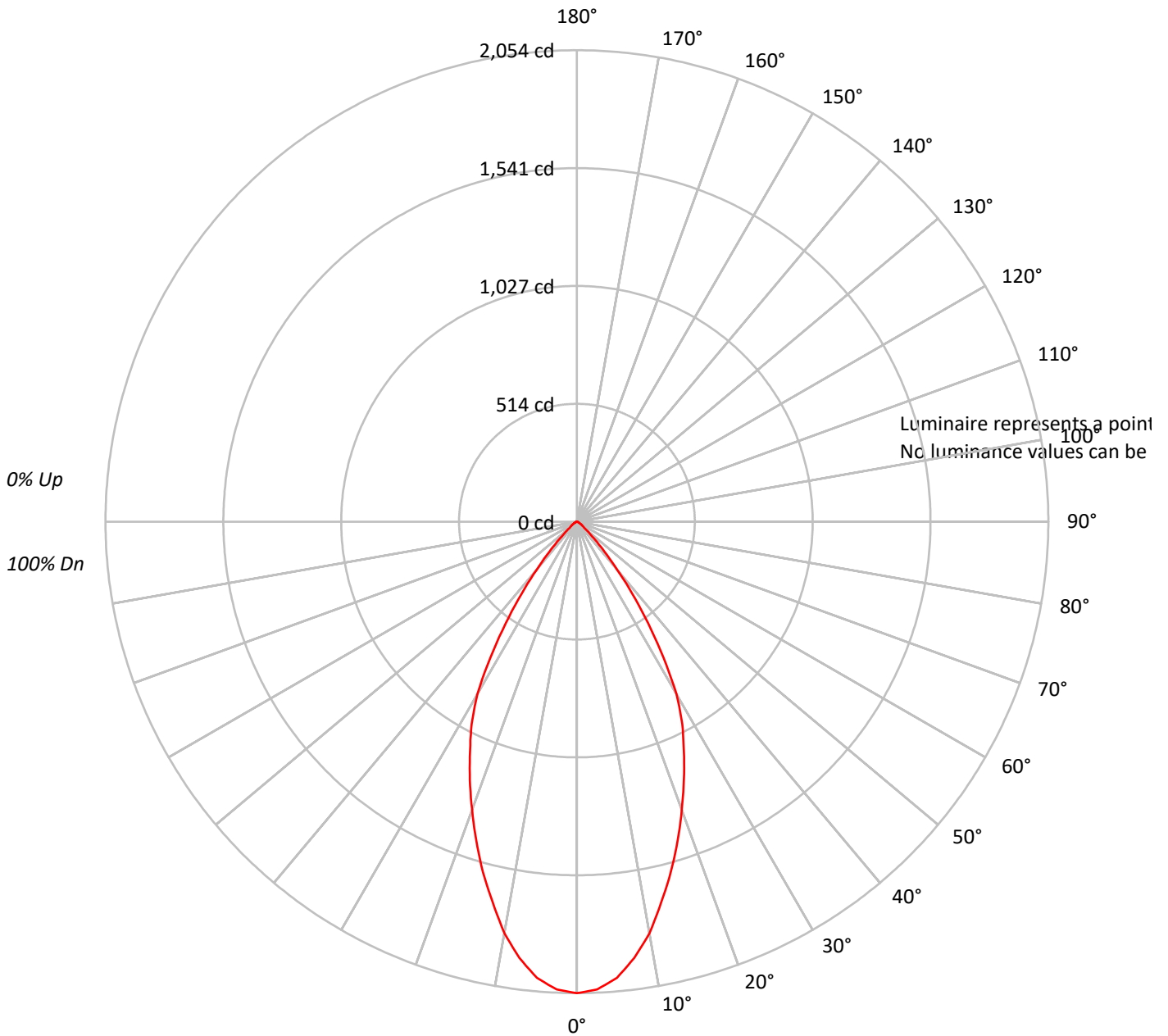
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203648

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBNH1

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	100	100	100	100	100	100	100	100	100	100	100														
	1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93														
	2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87	87	87	87	87	87	87	87	87	87	87	87														
	3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81	81	81	81	81	81	81	81	81	81	81	81														
	4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75	75	75	75	75	75	75	75	75	75	75	75	75														
	5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70	70	70	70	70	70	70	70	70	70	70	70	70														
	6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65	65														
	7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61	61	61	61	61	61	61	61	61	61	61	61	61														
	8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58	58	58	58	58	58	58	58	58	58	58	58	58														
	9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54	54	54	54	54	54	54	54	54	54	54	54	54														
	10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51	51	51	51	51	51	51	51	51	51	51	51	51														

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	11.5
10°-20°	440.5	27.5
20°-30°	504.7	31.5
30°-40°	339.1	21.2
40°-50°	96.9	6.0
50°-60°	23.7	1.5
60°-70°	9.1	0.6
70°-80°	3.5	0.2
80°-90°	0.4	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°	1129.9	70.5
0°-40°	1469.0	91.7
0°-60°	1589.5	99.2
0°-90°	1602.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2054	
5°	1996	185
15°	1581	441
25°	1102	505
35°	540	339
45°	111	97
55°	26	24
65°	9	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2054.1
2.5°	2039.5
5°	1995.6
7.5°	1916.8
10°	1820.4
12.5°	1697.6
15°	1580.8
17.5°	1458.0
20°	1335.4
22.5°	1218.5
25°	1101.6
27.5°	993.5
30°	867.8
32.5°	701.2
35°	540.5
37.5°	394.5
40°	271.8
42.5°	178.2
45°	111.0
47.5°	67.2
50°	40.9
52.5°	32.1
55°	26.2
57.5°	20.5
60°	14.6
62.5°	11.8
65°	8.8
67.5°	5.9
70°	5.9
72.5°	2.9
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)