

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: P202936

Luminaire Tested: **LE_6B20D010 EC6B10209050 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202936
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 EC6B10209050 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE 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: 1477.8 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

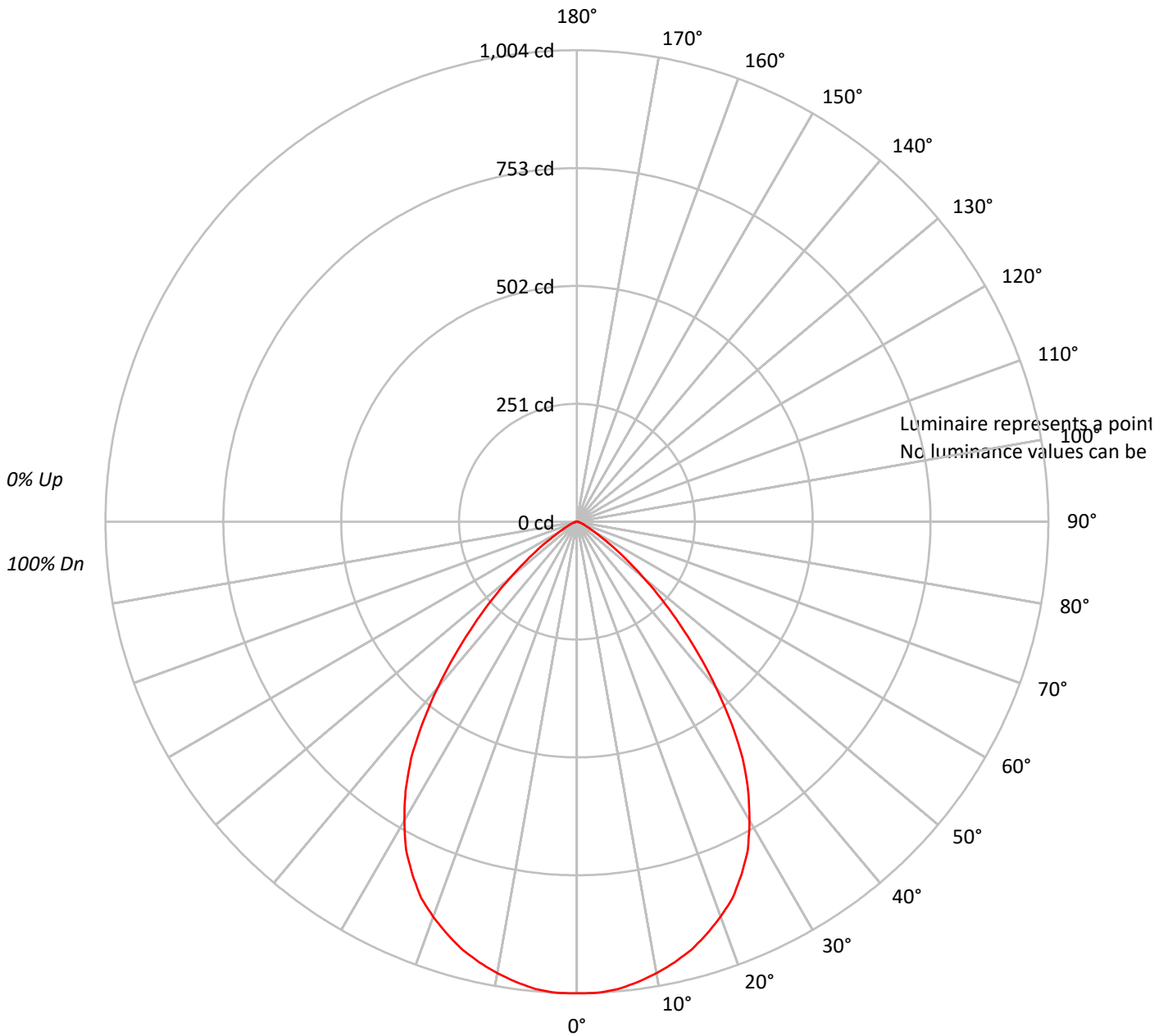
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82				82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74				74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67				67
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56				56
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51				51
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47				47
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43				43
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40				40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	6.4
10°-20°	265.3	18.0
20°-30°	379.6	25.7
30°-40°	378.4	25.6
40°-50°	241.0	16.3
50°-60°	88.9	6.0
60°-70°	22.2	1.5
70°-80°	6.7	0.5
80°-90°	1.0	0.1
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°	739.6	50.0
0°-40°	1118.0	75.7
0°-60°	1447.9	98.0
0°-90°	1477.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1477.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1004	
5°	999	95
15°	943	265
25°	829	380
35°	615	378
45°	310	241
55°	94	89
65°	20	22
75°	5	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1004.4
2.5°	1004.4
5°	999.4
7.5°	989.1
10°	976.5
12.5°	961.1
15°	943.4
17.5°	920.5
20°	895.1
22.5°	867.1
25°	829.0
27.5°	788.2
30°	734.9
32.5°	678.9
35°	615.4
37.5°	539.1
40°	460.2
42.5°	384.0
45°	310.2
47.5°	244.1
50°	183.1
52.5°	134.8
55°	94.1
57.5°	61.0
60°	40.6
62.5°	28.0
65°	20.4
67.5°	15.2
70°	12.8
72.5°	7.6
75°	5.1
77.5°	5.1
80°	2.5
82.5°	2.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)