

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: P203940

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203940
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 EC6B10209050 6LBNB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR BLACK 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: 505.3 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

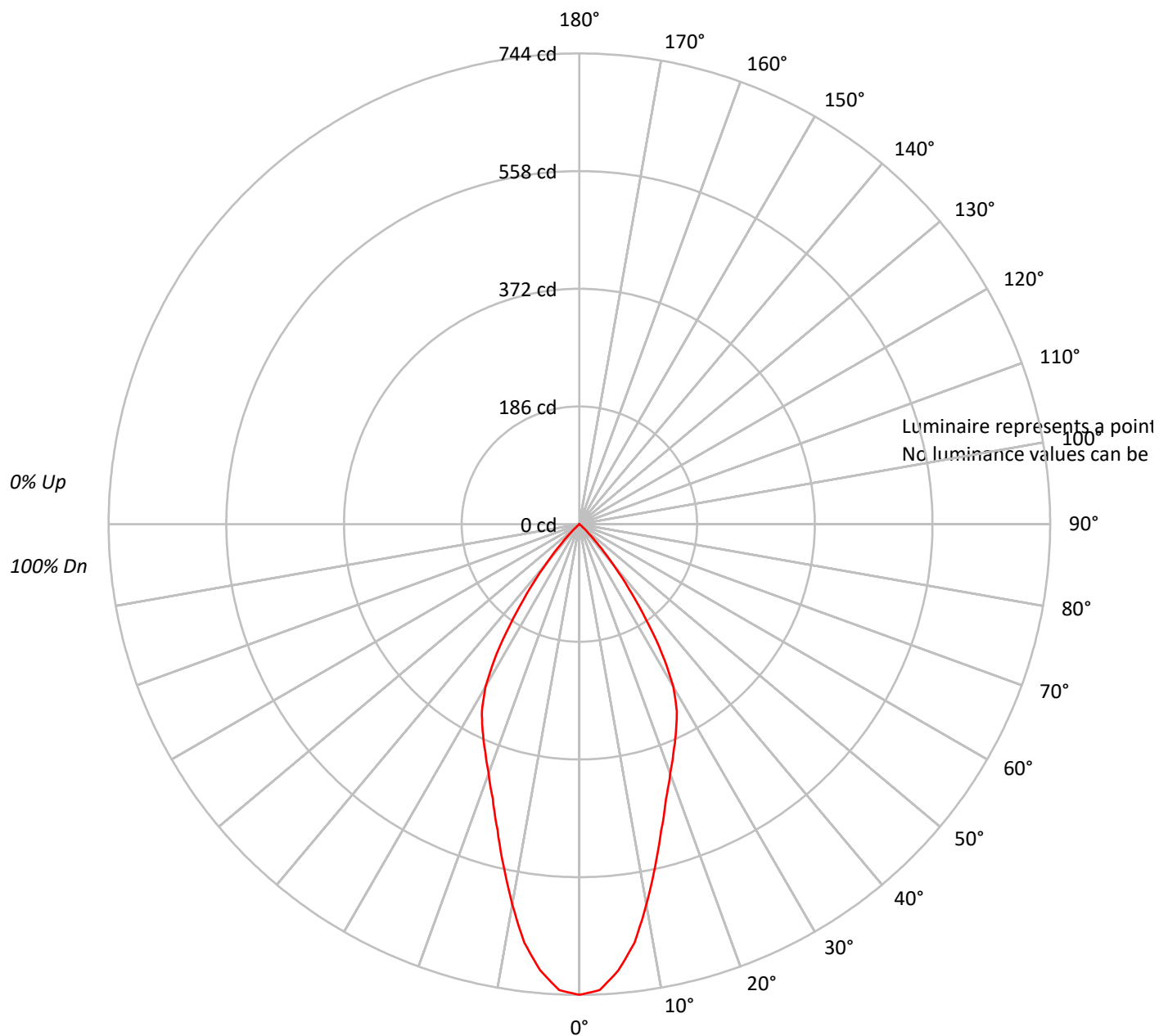
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	114	111	109	107	111	109	107	105		105	103	102		101	100	99		98	97	96
2	108	104	100	97	106	102	99	96		99	96	93		96	94	91		93	91	90
3	103	97	92	88	101	96	91	88		93	89	86		91	88	85		88	86	84
4	98	91	86	82	96	90	85	81		88	84	80		86	82	79		84	81	78
5	93	85	80	76	92	85	79	75		83	78	75		81	77	74		80	76	73
6	89	80	75	71	88	80	74	70		78	73	70		77	73	69		75	72	69
7	85	76	70	66	83	75	70	66		74	69	65		73	68	65		72	68	65
8	81	72	66	62	80	71	66	62		70	65	61		69	64	61		68	64	61
9	77	68	62	58	76	67	62	58		66	61	58		65	61	58		65	61	58
10	74	64	59	55	73	64	58	55		63	58	55		62	58	55		62	57	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	12.8
10°-20°	140.6	27.8
20°-30°	165.3	32.7
30°-40°	113.8	22.5
40°-50°	21.1	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	370.5	73.3
0°-40°	484.2	95.8
0°-60°	505.3	100.0
0°-90°	505.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	708	65
15°	500	141
25°	361	165
35°	183	114
45°	21	21
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	743.9
2.5°	737.2
5°	708.1
7.5°	667.1
10°	610.2
12.5°	553.2
15°	500.4
17.5°	455.4
20°	419.6
22.5°	389.1
25°	361.4
27.5°	333.6
30°	296.5
32.5°	243.5
35°	182.6
37.5°	127.1
40°	80.8
42.5°	45.0
45°	21.1
47.5°	6.6
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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)