

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: io LED

Report Number: P203861

Luminaire Tested: **LD6B20D010 EU6B10209035 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203861
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: io LED
Catalog Number: LD6B20D010 EU6B10209035 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH 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: 888.1 lumens
Efficiency: N/A
Efficacy: 42.7 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

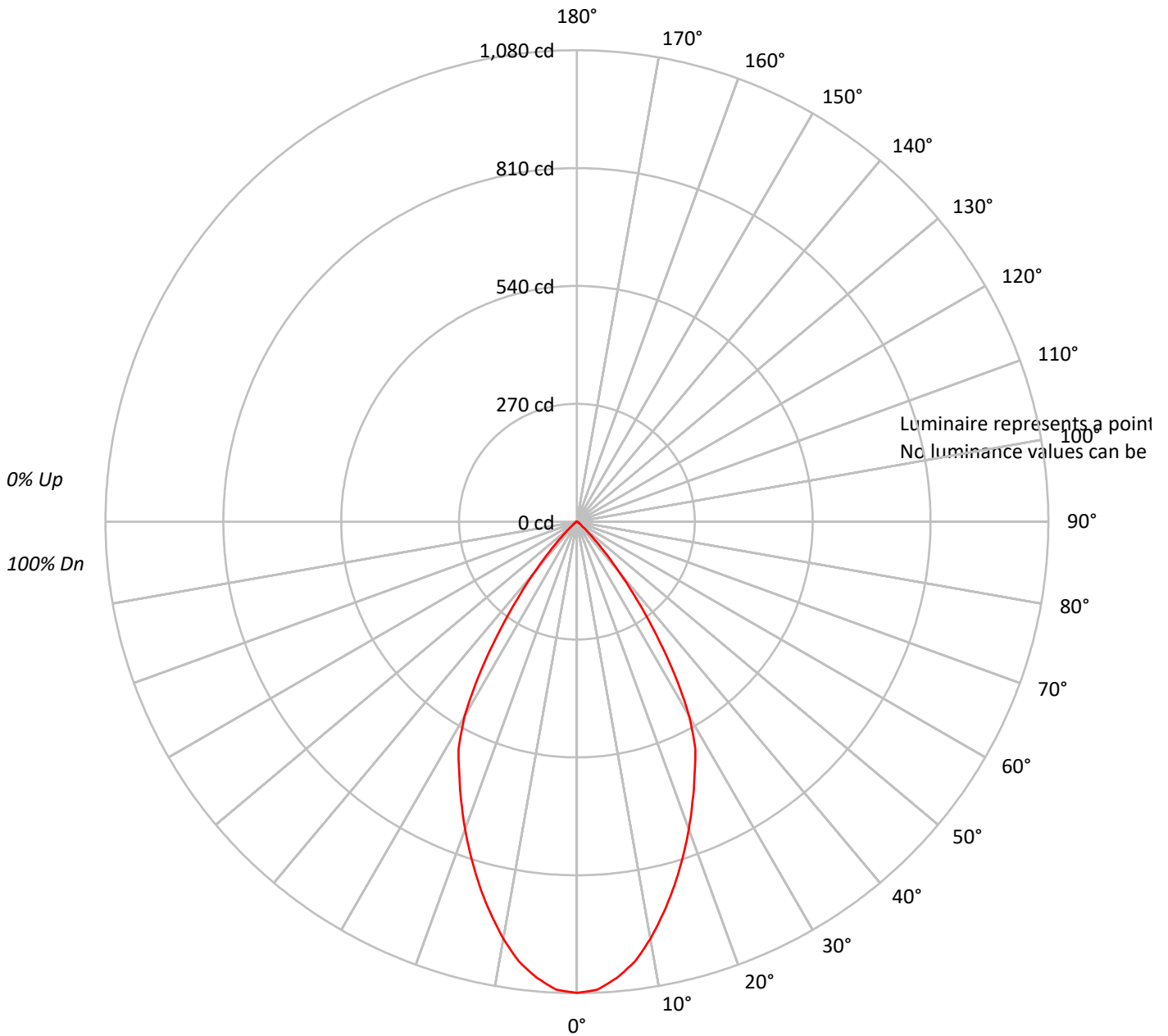
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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																	
	1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94	94	94	94	94	94	94	94	94	94	94																	
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87	87	87	87	87	87	87	87	87	87	87																	
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81	81	81	81	81	81	81	81	81	81	81																	
	4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76	76	76	76	76	76	76	76	76	76	76																	
	5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70	70	70	70	70	70	70	70	70	70	70																	
	6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66	66	66	66	66	66	66	66																	
	7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62	62	62	62	62	62	62	62	62	62	62																	
	8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58	58	58	58	58	58	58	58	58	58	58																	
	9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54	54	54	54	54	54	54	54	54	54	54																	
	10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	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°	97.7	11.0
10°-20°	241.0	27.1
20°-30°	292.0	32.9
30°-40°	199.0	22.4
40°-50°	47.4	5.3
50°-60°	7.4	0.8
60°-70°	2.7	0.3
70°-80°	0.8	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°	630.7	71.0
0°-40°	829.7	93.4
0°-60°	884.5	99.6
0°-90°	888.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1080	
5°	1049	98
15°	863	241
25°	638	292
35°	318	199
45°	51	47
55°	8	7
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1079.5
2.5°	1073.4
5°	1049.1
7.5°	1016.7
10°	970.1
12.5°	917.4
15°	862.8
17.5°	806.1
20°	749.3
22.5°	692.6
25°	638.0
27.5°	587.3
30°	514.4
32.5°	419.2
35°	318.0
37.5°	226.8
40°	149.9
42.5°	93.2
45°	50.6
47.5°	26.3
50°	14.2
52.5°	10.1
55°	8.1
57.5°	6.1
60°	4.1
62.5°	4.1
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
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)