

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: P203756

Luminaire Tested: **LSR6B20D010BZ EC6B10209027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203756
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: LSR6B20D010BZ EC6B10209027 6LBNWH1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH WHEAT 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: 1127.4 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

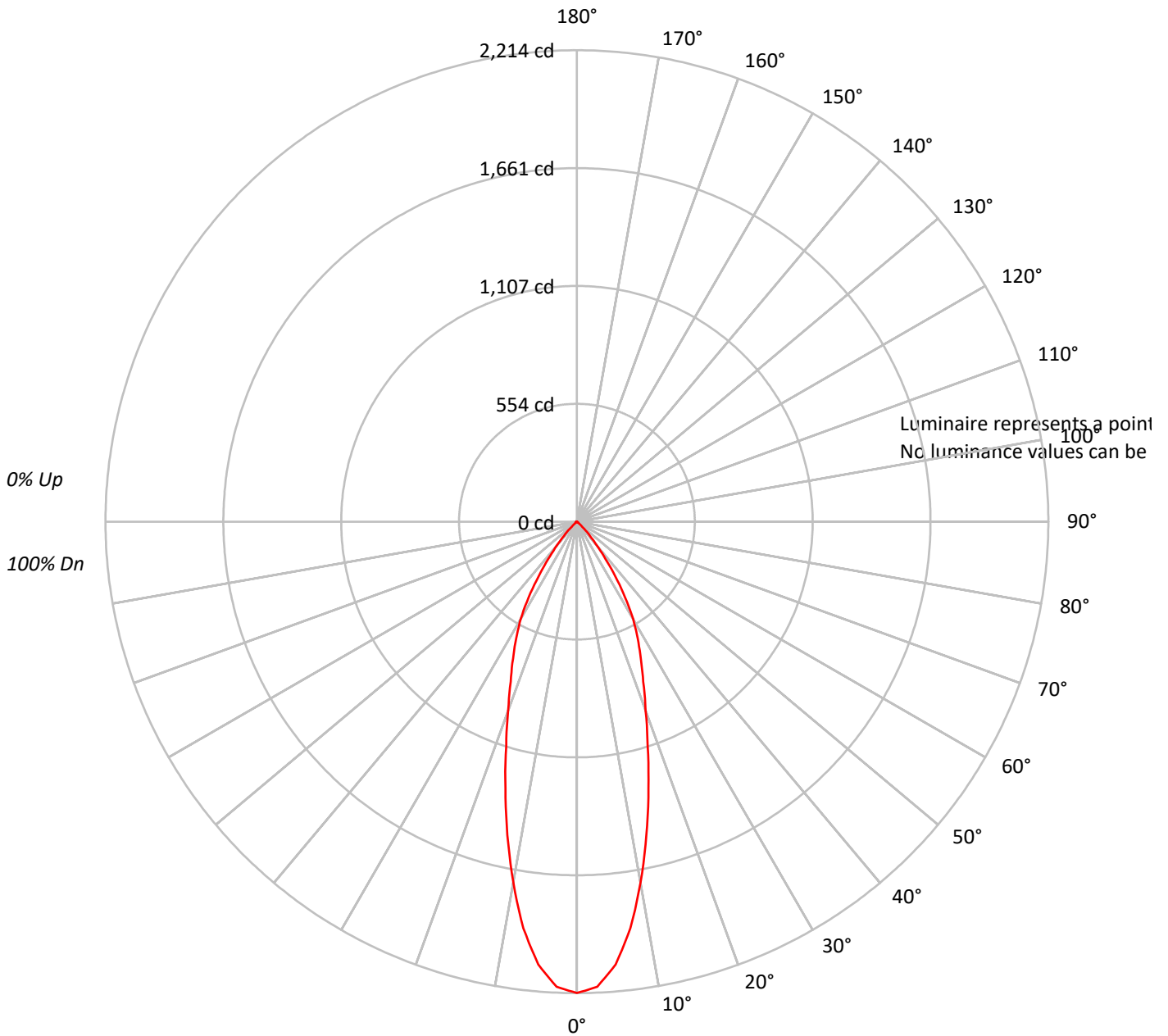
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203756

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBNWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203756

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBNWH1

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89		
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79		
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74		
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70		
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66		
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63		
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203756

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBNWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	16.6
10°-20°	360.0	31.9
20°-30°	327.3	29.0
30°-40°	198.4	17.6
40°-50°	45.2	4.0
50°-60°	5.8	0.5
60°-70°	2.6	0.2
70°-80°	0.7	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°	874.7	77.6
0°-40°	1073.2	95.2
0°-60°	1124.1	99.7
0°-90°	1127.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2214	
5°	2087	187
15°	1297	360
25°	710	327
35°	315	198
45°	50	45
55°	6	6
65°	2	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203756

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBNWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2213.5
2.5°	2186.6
5°	2086.9
7.5°	1925.8
10°	1720.5
12.5°	1507.6
15°	1296.6
17.5°	1104.8
20°	943.7
22.5°	813.3
25°	709.7
27.5°	617.6
30°	527.5
32.5°	422.0
35°	314.6
37.5°	220.6
40°	145.8
42.5°	90.1
45°	49.9
47.5°	23.0
50°	9.6
52.5°	7.7
55°	5.8
57.5°	5.8
60°	3.8
62.5°	3.8
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)