

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: P202855

Luminaire Tested: **LSR6B40D010BZ EC6B30509027 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202855
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: LSR6B40D010BZ EC6B30509027 6LBWWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137.3 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

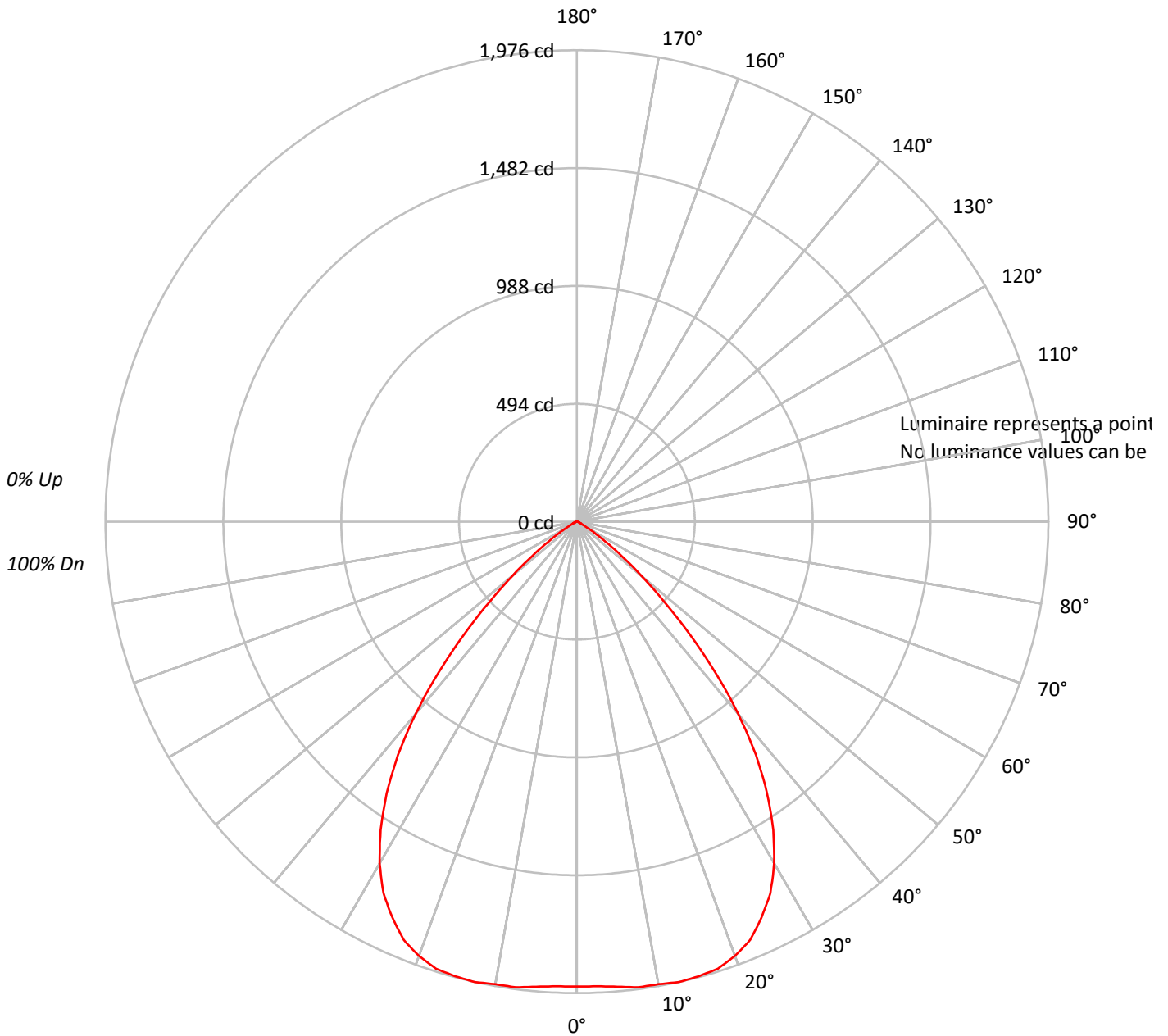
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202855

CATALOG NUMBER: LSR6B40D010BZ EC6B30509027 6LBWWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202855

CATALOG NUMBER: LSR6B40D010BZ EC6B30509027 6LBWWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92																			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83																			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68																			
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62																			
6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56																			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47																			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																			
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202855

CATALOG NUMBER: LSR6B40D010BZ EC6B30509027 6LBWWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	6.0
10°-20°	557.0	17.8
20°-30°	838.4	26.7
30°-40°	857.3	27.3
40°-50°	520.6	16.6
50°-60°	146.6	4.7
60°-70°	22.3	0.7
70°-80°	7.3	0.2
80°-90°	0.5	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°	1582.7	50.4
0°-40°	2440.0	77.8
0°-60°	3107.2	99.0
0°-90°	3137.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3137.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1949	
5°	1956	187
15°	1972	557
25°	1830	838
35°	1390	857
45°	669	521
55°	146	147
65°	20	22
75°	8	7
85°	0	1
90°	0	



TEST NUMBER: P202855

CATALOG NUMBER: LSR6B40D010BZ EC6B30509027 6LBWWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1948.6
2.5°	1948.6
5°	1956.5
7.5°	1968.3
10°	1968.3
12.5°	1976.2
15°	1972.2
17.5°	1964.3
20°	1936.8
22.5°	1897.4
25°	1830.5
27.5°	1755.7
30°	1653.4
32.5°	1531.3
35°	1389.6
37.5°	1232.1
40°	1051.1
42.5°	862.1
45°	669.2
47.5°	496.0
50°	350.4
52.5°	236.2
55°	145.7
57.5°	86.6
60°	43.3
62.5°	27.6
65°	19.7
67.5°	15.7
70°	11.8
72.5°	7.9
75°	7.9
77.5°	3.9
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)