

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: P205025

Luminaire Tested: **LSR6B40D010BZ EC6B30509730 6LBSCMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205025
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 EC6B30509730 6LBCSMMS1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 3207.5 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

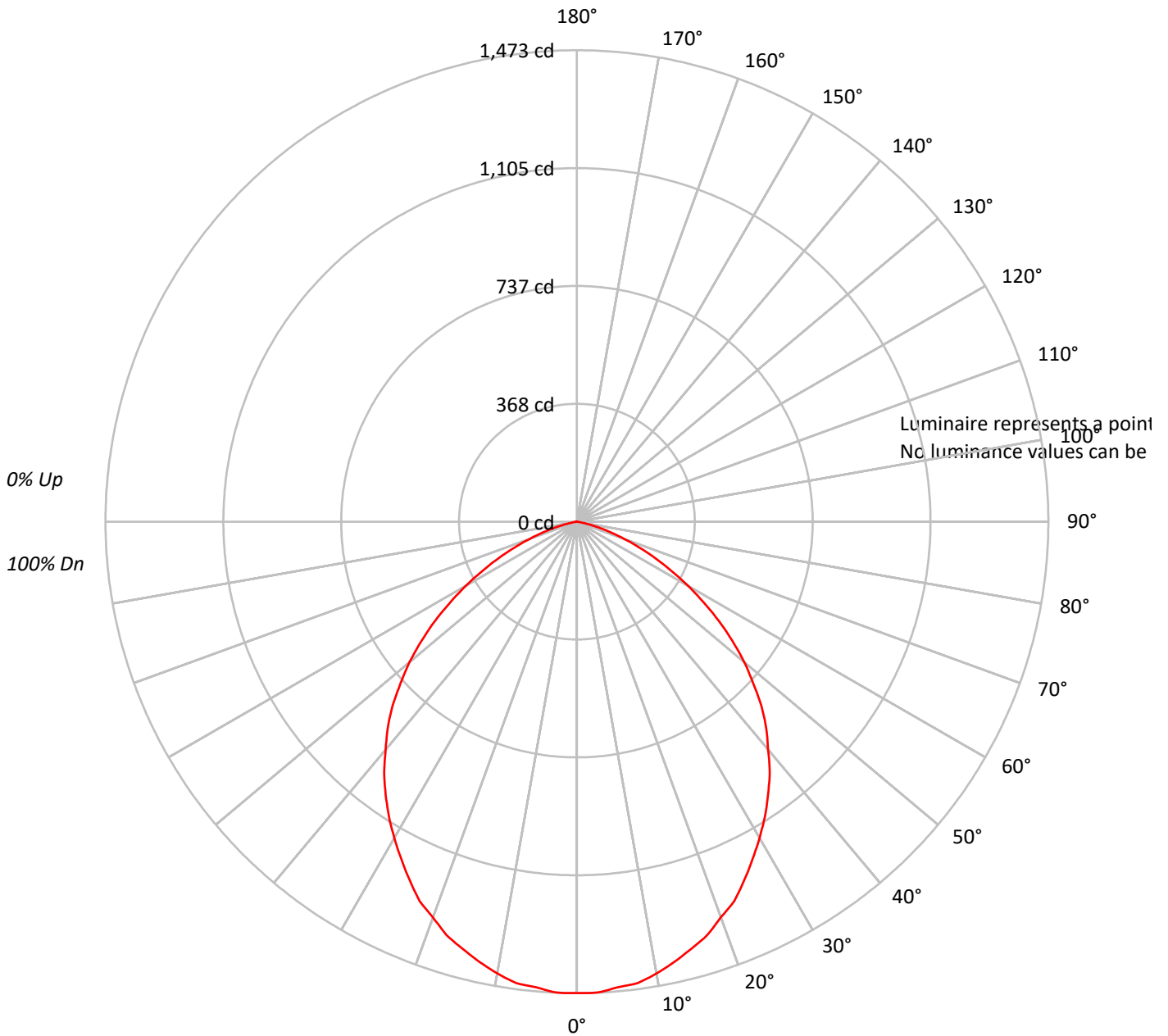
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205025

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBCSMMS1

Luminous Intensity Polar Plot





TEST NUMBER: P205025

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBCSMMS1

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65			65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57			57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50			50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44			44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40			40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32			32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29			29

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205025

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBCSMMS1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	4.3
10°-20°	389.5	12.1
20°-30°	568.9	17.7
30°-40°	650.7	20.3
40°-50°	625.4	19.5
50°-60°	482.9	15.1
60°-70°	269.5	8.4
70°-80°	78.5	2.4
80°-90°	3.4	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°	1097.2	34.2
0°-40°	1747.9	54.5
0°-60°	2856.2	89.0
0°-90°	3207.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3207.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1473	
5°	1460	139
15°	1382	390
25°	1236	569
35°	1042	651
45°	815	625
55°	542	483
65°	270	270
75°	68	78
85°	2	3
90°	0	



TEST NUMBER: P205025

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBCSMMS1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1473.0
2.5°	1473.0
5°	1460.5
7.5°	1454.3
10°	1433.6
12.5°	1408.7
15°	1381.7
17.5°	1354.7
20°	1315.3
22.5°	1284.2
25°	1236.5
27.5°	1188.8
30°	1141.0
32.5°	1093.3
35°	1041.5
37.5°	989.6
40°	929.4
42.5°	875.5
45°	815.3
47.5°	746.9
50°	682.5
52.5°	612.0
55°	541.5
57.5°	468.9
60°	400.4
62.5°	331.9
65°	269.7
67.5°	211.6
70°	157.7
72.5°	110.0
75°	68.5
77.5°	35.3
80°	12.4
82.5°	4.1
85°	2.1
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)