

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: P204604

Luminaire Tested: **LSR6B40D010BZ EC6B30508040 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204604
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 EC6B30508040 6LBSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH MATTE WHITE 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: 4699.9 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

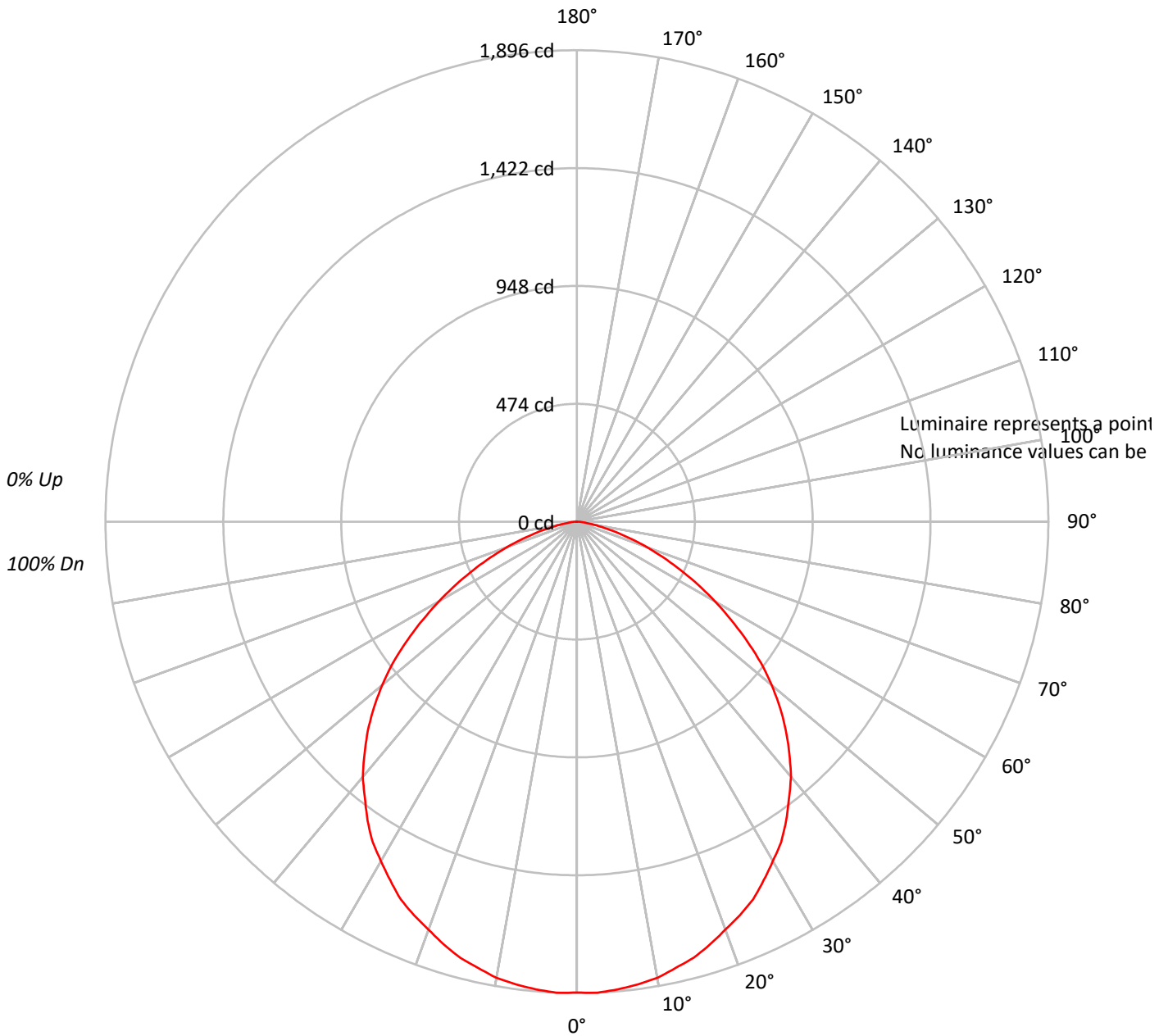
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	3.8
10°-20°	511.4	10.9
20°-30°	770.3	16.4
30°-40°	916.5	19.5
40°-50°	914.9	19.5
50°-60°	744.0	15.8
60°-70°	457.7	9.7
70°-80°	177.3	3.8
80°-90°	28.4	0.6
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°	1461.1	31.1
0°-40°	2377.6	50.6
0°-60°	4036.5	85.9
0°-90°	4699.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4699.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1894	
5°	1888	179
15°	1816	511
25°	1676	770
35°	1468	917
45°	1189	915
55°	833	744
65°	460	458
75°	162	177
85°	22	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1893.6
2.5°	1896.4
5°	1888.1
7.5°	1876.9
10°	1863.0
12.5°	1837.9
15°	1815.7
17.5°	1782.2
20°	1746.0
22.5°	1712.6
25°	1676.4
27.5°	1626.3
30°	1576.2
32.5°	1528.8
35°	1467.6
37.5°	1400.7
40°	1339.5
42.5°	1264.3
45°	1189.1
47.5°	1108.3
50°	1022.0
52.5°	932.9
55°	832.6
57.5°	735.2
60°	640.5
62.5°	548.6
65°	459.5
67.5°	375.9
70°	298.0
72.5°	225.6
75°	161.5
77.5°	105.8
80°	64.0
82.5°	39.0
85°	22.3
87.5°	11.1
90°	0.0



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— 0°-180°







(END OF REPORT)