

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: P208913

Luminaire Tested: **LDSQA6A45930D010TE LARH20SP 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A45930D010TE LARH20SP 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° SPOT
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3323.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

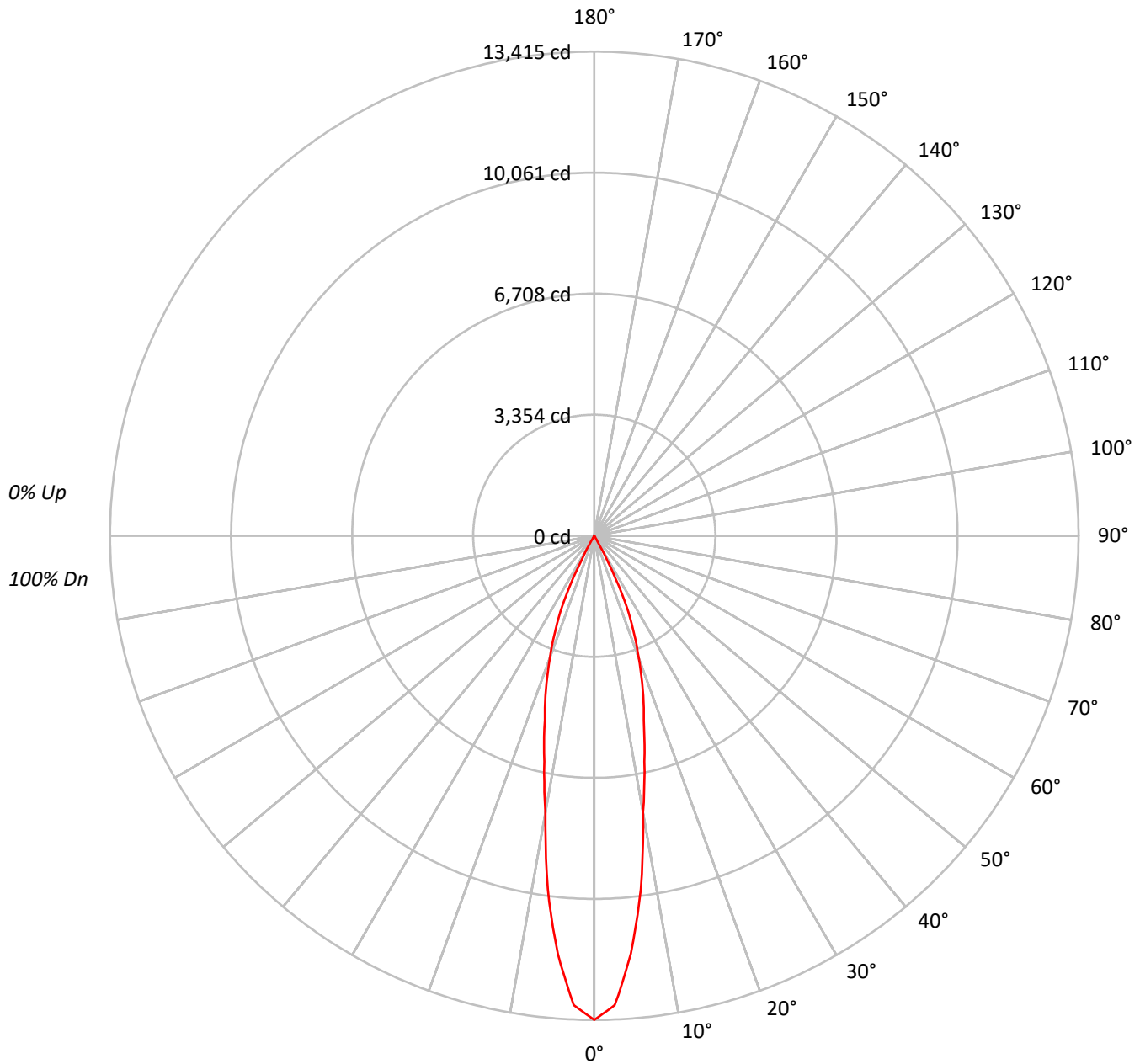
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96		
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93		
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90		
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87		
5	101	95	90	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84		
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81		
7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	78		
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76		
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74		
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	72	71		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	577609
5°	502162
10°	340254
15°	235866
20°	164371
25°	94586
30°	7418
35°	610
40°	309
45°	207
50°	181
55°	150
60°	172
65°	204
70°	176
75°	116
80°	174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	988.8	29.8
10°-20°	1489.3	44.8
20°-30°	820.5	24.7
30°-40°	17.0	0.5
40°-50°	2.7	0.1
50°-60°	2.0	0.1
60°-70°	1.8	0.1
70°-80°	0.8	0.0
80°-90°	0.1	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°	3298.6	99.3
0°-40°	3315.6	99.8
0°-60°	3320.3	99.9
0°-90°	3323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13415	
5°	11619	989
15°	5292	1489
25°	1991	820
35°	12	17
45°	3	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13415.4
2.5°	13014.1
5°	11618.7
7.5°	9875.7
10°	7782.6
12.5°	6408.9
15°	5291.5
17.5°	4460.9
20°	3587.4
22.5°	2805.9
25°	1991.0
27.5°	849.7
30°	149.2
32.5°	19.1
35°	11.6
37.5°	7.5
40°	5.5
42.5°	4.1
45°	3.4
47.5°	2.7
50°	2.7
52.5°	2.7
55°	2.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)