

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: P208967

Luminaire Tested: **LDSQA6A75840D010TE LARH30NF 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A75840D010TE LARH30NF 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 30° NARROW FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7139.8 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

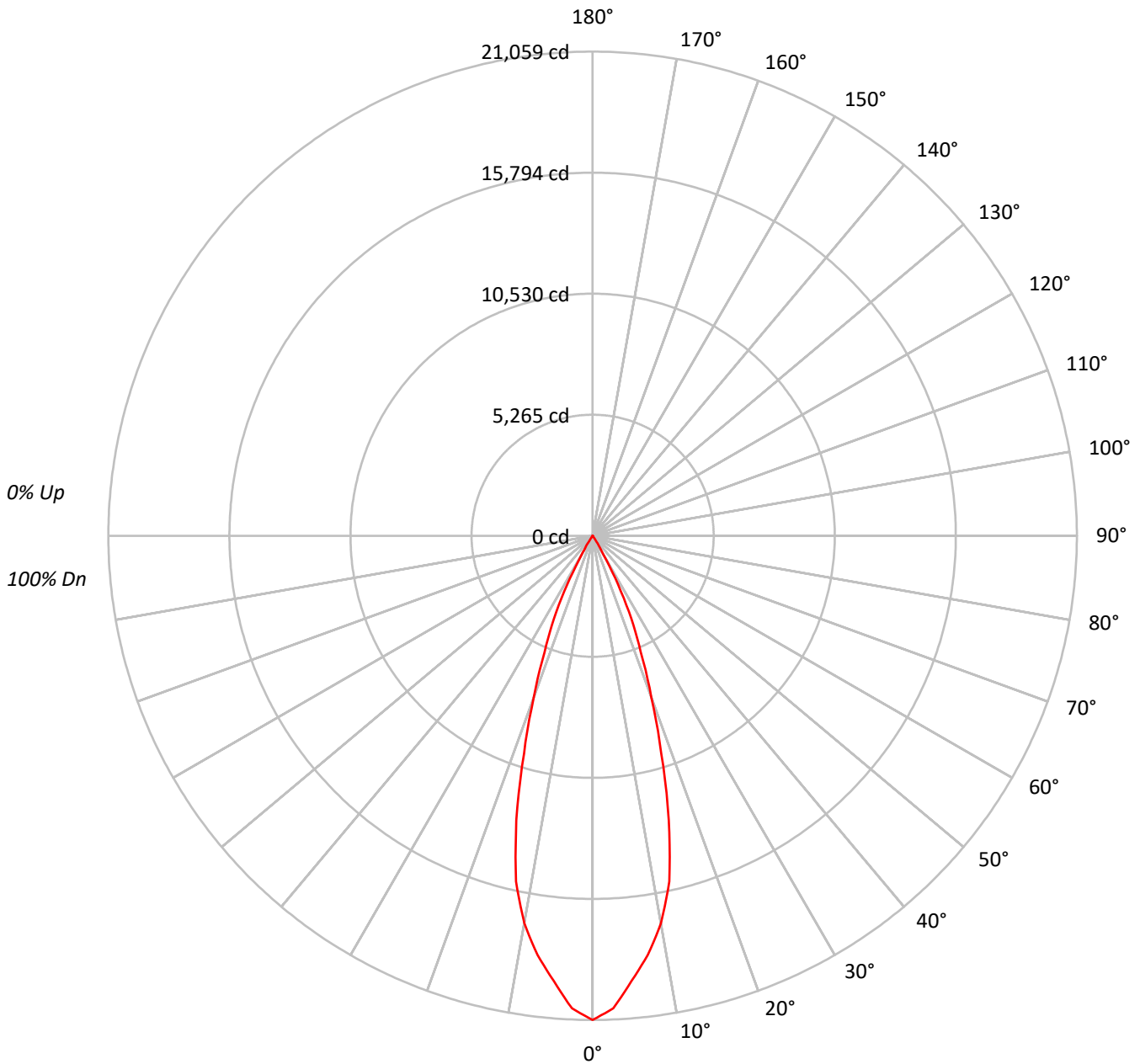
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																																				
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92																																				
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89																																				
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86																																				
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83																																				
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80																																				
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77																																				
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																																				
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																																				
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	906726
5°	839849
10°	748187
15°	570924
20°	342281
25°	188639
30°	46664
35°	3606
40°	1017
45°	396
50°	174
55°	195
60°	224
65°	132
70°	164
75°	216
80°	322
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1787.7	25.0
10°-20°	3427.2	48.0
20°-30°	1769.9	24.8
30°-40°	143.4	2.0
40°-50°	5.9	0.1
50°-60°	2.3	0.0
60°-70°	1.8	0.0
70°-80°	1.4	0.0
80°-90°	0.2	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°	6984.9	97.8
0°-40°	7128.3	99.8
0°-60°	7136.5	100.0
0°-90°	7139.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7139.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21059	
5°	19432	###
15°	12808	3427
25°	3971	1770
35°	69	143
45°	6	6
55°	3	2
65°	1	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	21059.4
2.5°	20579.0
5°	19431.9
7.5°	18387.1
10°	17113.2
12.5°	15400.3
15°	12808.3
17.5°	9930.2
20°	7470.3
22.5°	5476.5
25°	3970.8
27.5°	2391.3
30°	938.6
32.5°	398.8
35°	68.6
37.5°	33.7
40°	18.1
42.5°	10.4
45°	6.5
47.5°	3.9
50°	2.6
52.5°	2.6
55°	2.6
57.5°	2.6
60°	2.6
62.5°	2.6
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)