

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684944

Luminaire Tested: **LX6C30D010 EX6309030 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C30D010 EX6309030 6LBSLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

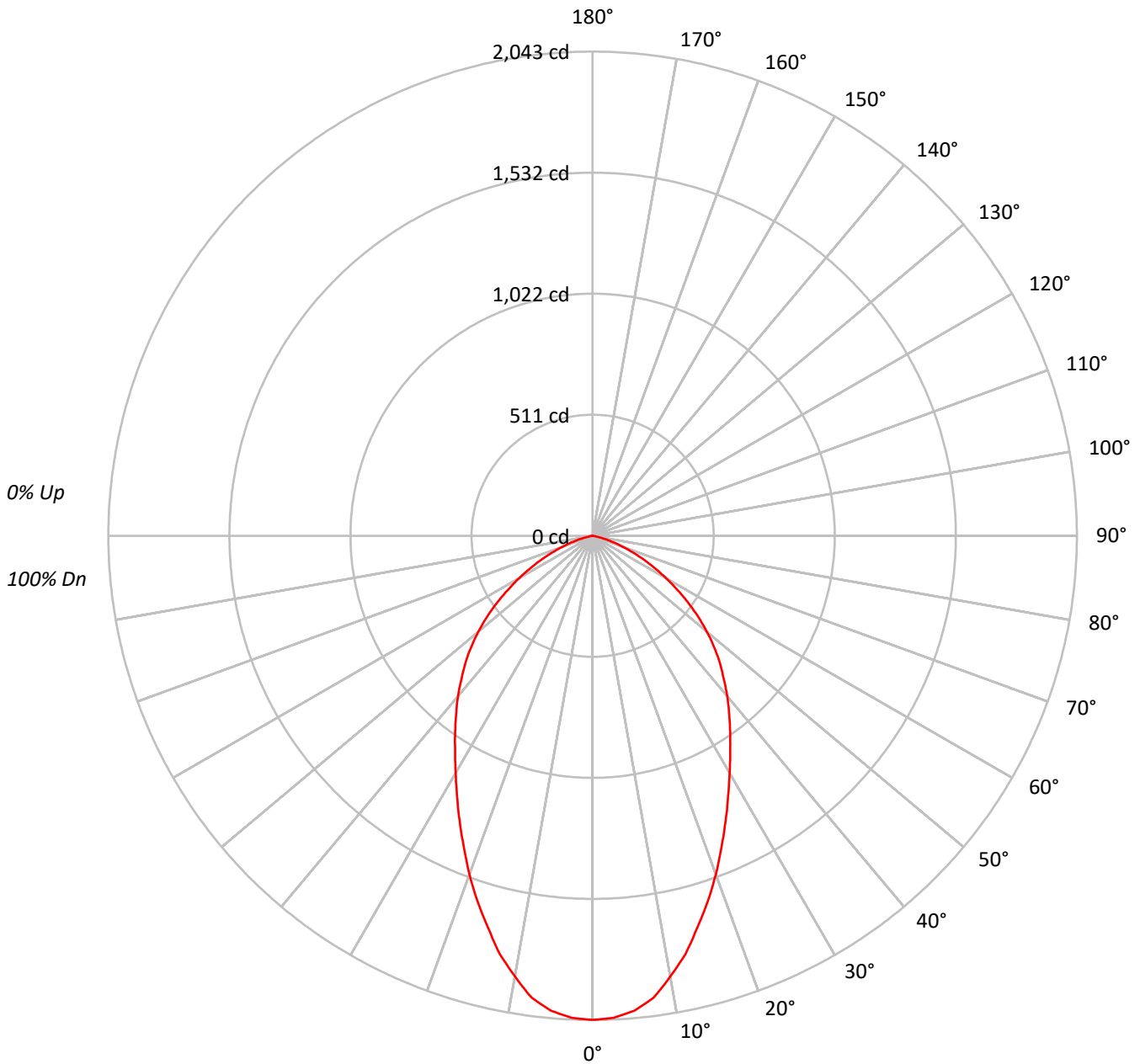
Lumens per Lamp: N/A
Luminaire Lumens: 3237.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111981
5°	110703
10°	105092
15°	96998
20°	88674
25°	80291
30°	73144
35°	67666
40°	63247
45°	58921
50°	53670
55°	46995
60°	39207
65°	30782
70°	21494
75°	11649
80°	2178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	5.8
10°-20°	479.2	14.8
20°-30°	611.1	18.9
30°-40°	633.7	19.6
40°-50°	583.9	18.0
50°-60°	439.2	13.6
60°-70°	237.1	7.3
70°-80°	63.6	2.0
80°-90°	0.9	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°	1278.5	39.5
0°-40°	1912.2	59.1
0°-60°	2935.4	90.7
0°-90°	3237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3237.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2043	
5°	2012	188
15°	1709	479
25°	1327	611
35°	1011	634
45°	760	584
55°	492	439
65°	237	237
75°	55	64
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2042.7
2.5°	2035.9
5°	2011.7
7.5°	1967.0
10°	1887.9
12.5°	1808.9
15°	1709.1
17.5°	1616.3
20°	1520.0
22.5°	1420.3
25°	1327.4
27.5°	1238.0
30°	1155.5
32.5°	1079.8
35°	1011.1
37.5°	945.7
40°	883.8
42.5°	818.5
45°	760.0
47.5°	694.7
50°	629.3
52.5°	560.6
55°	491.7
57.5°	423.0
60°	357.6
62.5°	295.7
65°	237.3
67.5°	182.3
70°	134.1
72.5°	92.9
75°	55.0
77.5°	24.0
80°	6.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)