

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: P684949

Luminaire Tested: **LX6C30D010 EX6309035 6LBSLI**

Issue Date: 2/15/2022

**Test Information**

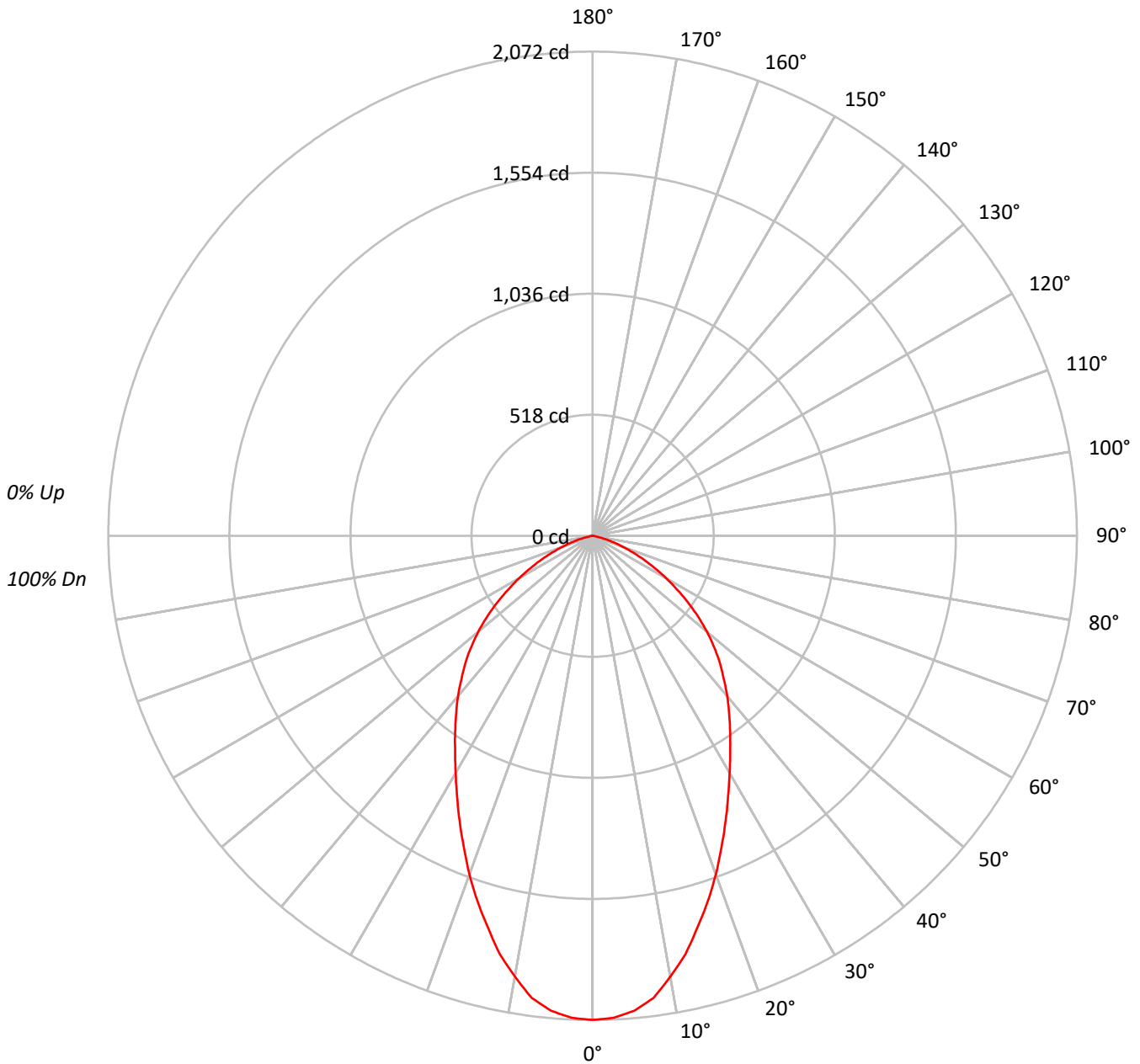
Test Method: LM-79-08  
Report Number: P684949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C30D010 EX6309035 6LBSLI  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3283.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 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<sub>in</sub>): 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: P684949  
CATALOG NUMBER: LX6C30D010 EX6309035 6LBSLI

### Luminous Intensity Polar Plot





TEST NUMBER: P684949

CATALOG NUMBER: LX6C30D010 EX6309035 6LBSLI

**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			
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°	113571
5°	112277
10°	106589
15°	98377
20°	89934
25°	81434
30°	74182
35°	68623
40°	64142
45°	59758
50°	54437
55°	47664
60°	39767
65°	31210
70°	21799
75°	11819
80°	2210
85°	0



TEST NUMBER: P684949

CATALOG NUMBER: LX6C30D010 EX6309035 6LBSLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.9	5.8
10°-20°	486.0	14.8
20°-30°	619.8	18.9
30°-40°	642.7	19.6
40°-50°	592.2	18.0
50°-60°	445.5	13.6
60°-70°	240.4	7.3
70°-80°	64.5	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°	1296.7	39.5
0°-40°	1939.4	59.1
0°-60°	2977.1	90.7
0°-90°	3283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3283.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2072	
5°	2040	191
15°	1733	486
25°	1346	620
35°	1025	643
45°	771	592
55°	499	445
65°	241	240
75°	56	65
85°	0	1
90°	0	



TEST NUMBER: P684949

CATALOG NUMBER: LX6C30D010 EX6309035 6LBSLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2071.7
2.5°	2064.8
5°	2040.3
7.5°	1995.0
10°	1914.8
12.5°	1834.6
15°	1733.4
17.5°	1639.3
20°	1541.6
22.5°	1440.5
25°	1346.3
27.5°	1255.6
30°	1171.9
32.5°	1095.1
35°	1025.4
37.5°	959.1
40°	896.3
42.5°	830.1
45°	770.8
47.5°	704.5
50°	638.3
52.5°	568.5
55°	498.7
57.5°	429.0
60°	362.7
62.5°	299.9
65°	240.6
67.5°	184.9
70°	136.0
72.5°	94.2
75°	55.8
77.5°	24.4
80°	7.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)