

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: P563930

Luminaire Tested: **LX6C30D010 EX6C309030 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C30D010 EX6C309030 6LBSH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

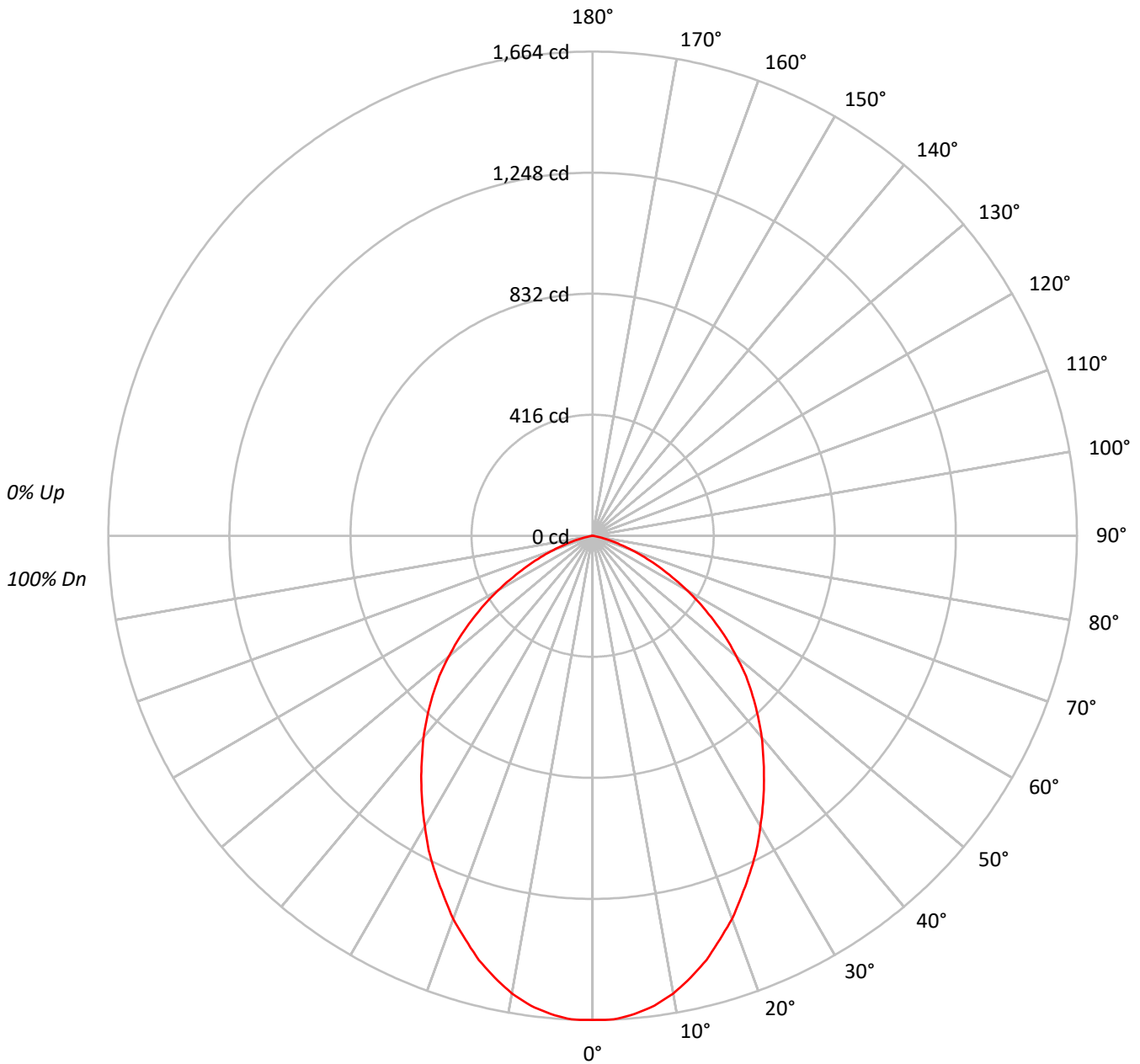
Lumens per Lamp: N/A
Luminaire Lumens: 3181.8 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P563930

CATALOG NUMBER: LX6C30D010 EX6C309030 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P563930

CATALOG NUMBER: LX6C30D010 EX6C309030 6LBSH

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	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91221
5°	90799
10°	88926
15°	85693
20°	81750
25°	77345
30°	72961
35°	68697
40°	64685
45°	60301
50°	54975
55°	48553
60°	41093
65°	32273
70°	23017
75°	12603
80°	2210
85°	0



TEST NUMBER: P563930

CATALOG NUMBER: LX6C30D010 EX6C309030 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	4.9
10°-20°	423.6	13.3
20°-30°	588.3	18.5
30°-40°	642.0	20.2
40°-50°	598.9	18.8
50°-60°	454.6	14.3
60°-70°	248.9	7.8
70°-80°	68.5	2.2
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°	1167.8	36.7
0°-40°	1809.9	56.9
0°-60°	2863.5	90.0
0°-90°	3181.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3181.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1664	
5°	1650	156
15°	1510	424
25°	1279	588
35°	1026	642
45°	778	599
55°	508	455
65°	249	249
75°	60	68
85°	0	1
90°	0	



TEST NUMBER: P563930

CATALOG NUMBER: LX6C30D010 EX6C309030 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1664.0
2.5°	1664.0
5°	1650.0
7.5°	1628.9
10°	1597.5
12.5°	1555.4
15°	1509.9
17.5°	1453.9
20°	1401.3
22.5°	1338.2
25°	1278.7
27.5°	1219.1
30°	1152.6
32.5°	1089.5
35°	1026.5
37.5°	963.4
40°	903.9
42.5°	840.8
45°	777.8
47.5°	714.7
50°	644.6
52.5°	578.1
55°	508.0
57.5°	441.5
60°	374.8
62.5°	308.3
65°	248.8
67.5°	192.7
70°	143.6
72.5°	98.1
75°	59.5
77.5°	28.1
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)