

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: P684024

Luminaire Tested: **LX6C130D010 EX6C1309050 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P684024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309050 6LBSQH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

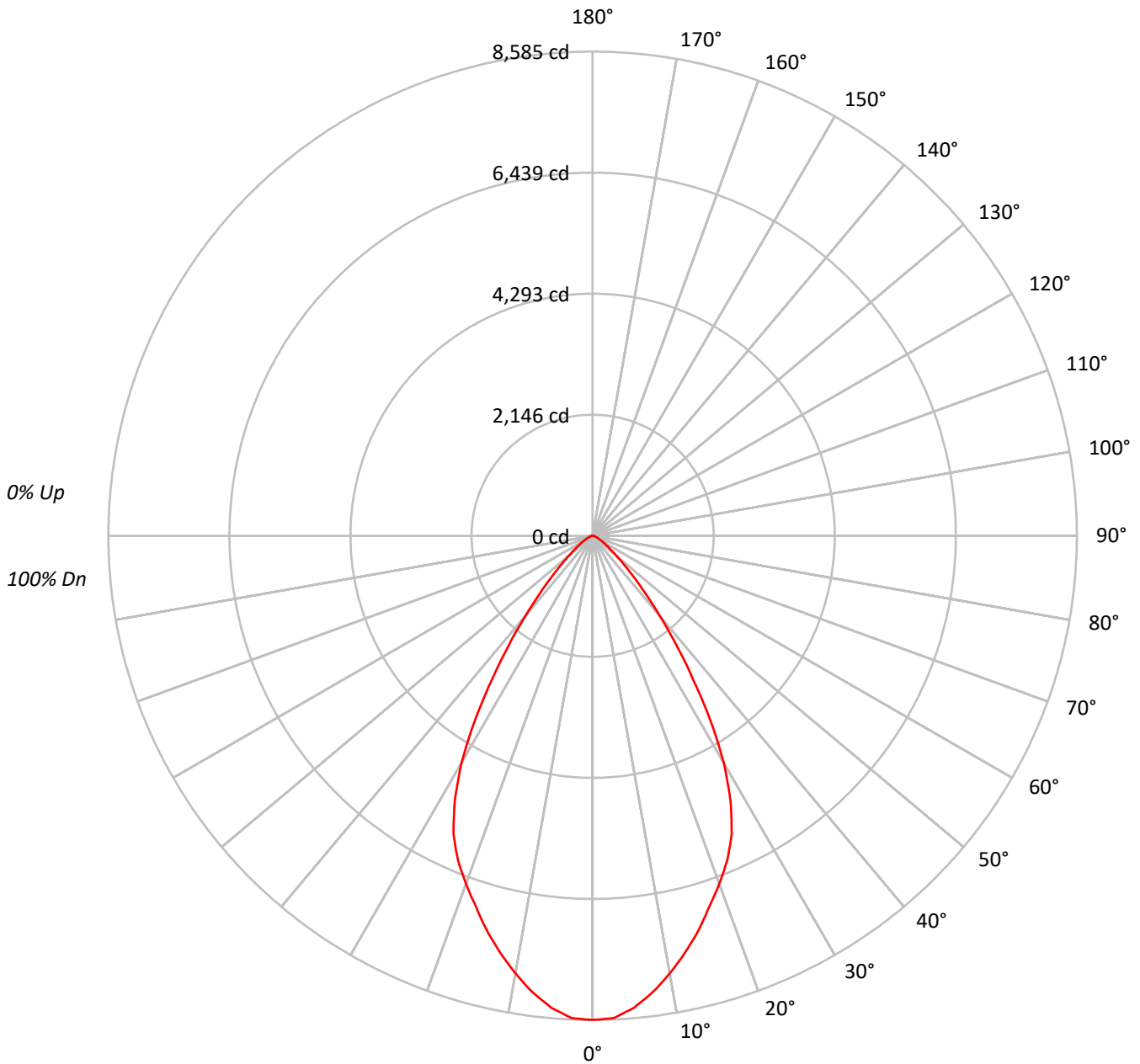
Lumens per Lamp: N/A
Luminaire Lumens: 8675.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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: P684024

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P684024

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBSQH

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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	369646
5°	363027
10°	344478
15°	323031
20°	300838
25°	277192
30°	230967
35°	162787
40°	103744
45°	61870
50°	36519
55°	23233
60°	15999
65°	11359
70°	7818
75°	6188
80°	3025
85°	0



TEST NUMBER: P684024

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.0	9.0
10°-20°	2030.7	23.4
20°-30°	2631.2	30.3
30°-40°	1953.5	22.5
40°-50°	824.7	9.5
50°-60°	292.8	3.4
60°-70°	113.0	1.3
70°-80°	39.1	0.5
80°-90°	5.0	0.1
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°	5446.9	62.8
0°-40°	7400.4	85.3
0°-60°	8517.9	98.2
0°-90°	8675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8675.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8585	
5°	8400	785
15°	7247	2031
25°	5835	2631
35°	3097	1953
45°	1016	825
55°	310	293
65°	112	113
75°	37	39
85°	0	5
90°	0	



TEST NUMBER: P684024

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	8585.3
2.5°	8560.3
5°	8399.5
7.5°	8163.8
10°	7879.2
12.5°	7569.2
15°	7247.0
17.5°	6888.1
20°	6565.8
22.5°	6231.4
25°	5834.8
27.5°	5289.6
30°	4645.7
32.5°	3889.7
35°	3097.1
37.5°	2428.2
40°	1845.8
42.5°	1375.0
45°	1016.1
47.5°	743.2
50°	545.2
52.5°	408.8
55°	309.5
57.5°	235.2
60°	185.8
62.5°	136.4
65°	111.5
67.5°	86.5
70°	62.1
72.5°	49.4
75°	37.2
77.5°	24.9
80°	12.2
82.5°	12.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)