

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: P685204

Luminaire Tested: **LX6C75D010 EX6759040 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685204
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: LX6C75D010 EX6759040 6LBSLI
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

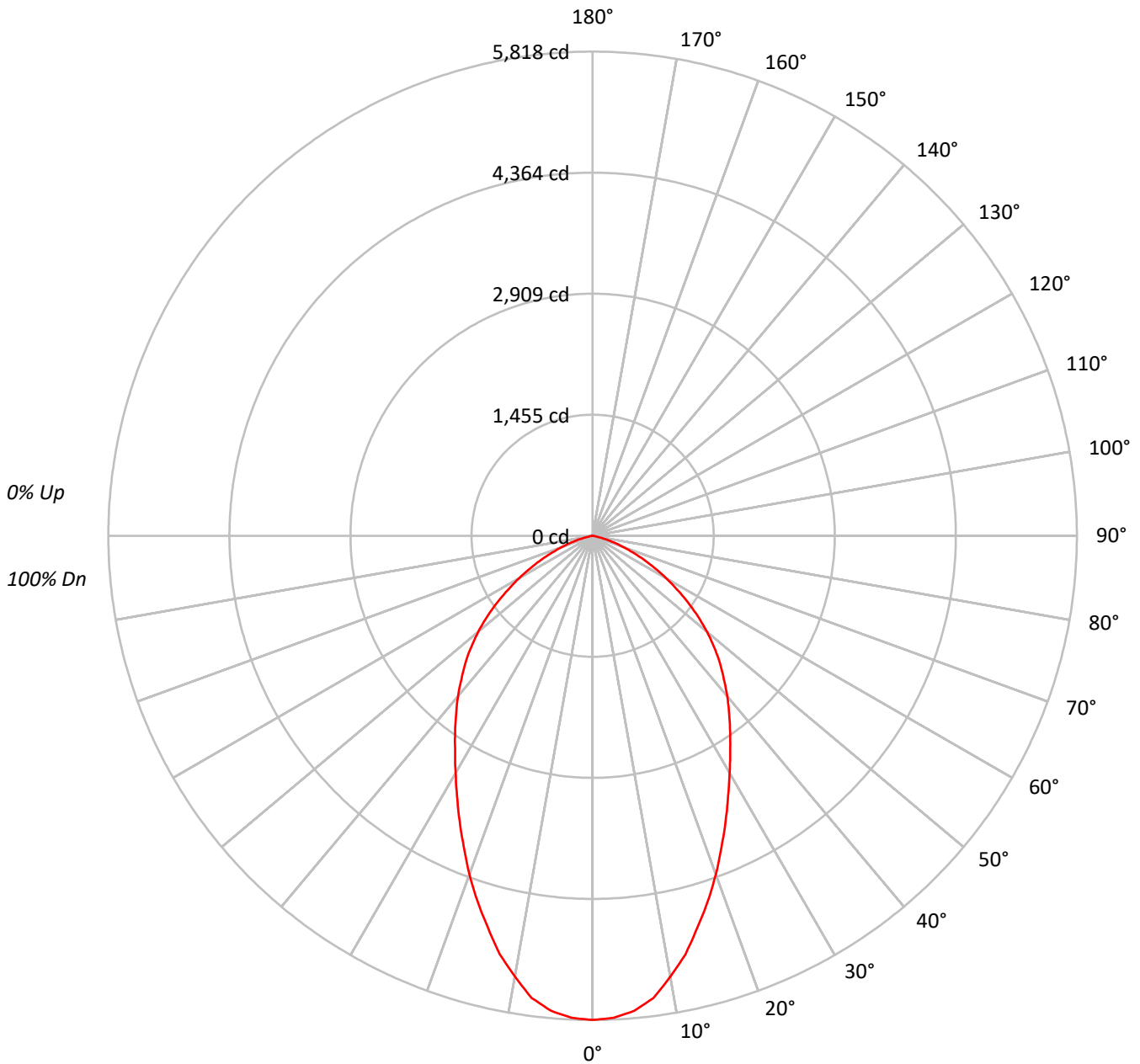
Lumens per Lamp: N/A
Luminaire Lumens: 9219.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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°	318922
5°	315292
10°	299304
15°	276256
20°	252547
25°	228679
30°	208311
35°	192705
40°	180123
45°	167800
50°	152856
55°	133854
60°	111669
65°	87649
70°	61228
75°	33169
80°	6219
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.1	5.8
10°-20°	1364.8	14.8
20°-30°	1740.4	18.9
30°-40°	1804.8	19.6
40°-50°	1663.0	18.0
50°-60°	1251.0	13.6
60°-70°	675.2	7.3
70°-80°	181.2	2.0
80°-90°	2.7	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°	3641.2	39.5
0°-40°	5446.0	59.1
0°-60°	8360.0	90.7
0°-90°	9219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5818	
5°	5730	536
15°	4868	1365
25°	3781	1740
35°	2880	1805
45°	2164	1663
55°	1400	1251
65°	676	675
75°	157	181
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5817.6
2.5°	5798.2
5°	5729.5
7.5°	5602.1
10°	5376.8
12.5°	5151.7
15°	4867.6
17.5°	4603.3
20°	4329.0
22.5°	4045.0
25°	3780.6
27.5°	3525.9
30°	3290.8
32.5°	3075.3
35°	2879.5
37.5°	2693.3
40°	2517.0
42.5°	2331.1
45°	2164.4
47.5°	1978.4
50°	1792.3
52.5°	1596.5
55°	1400.5
57.5°	1204.7
60°	1018.5
62.5°	842.2
65°	675.7
67.5°	519.1
70°	382.0
72.5°	264.5
75°	156.6
77.5°	68.5
80°	19.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)