

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: P684669

Luminaire Tested: **LX6C80D010 EX6C809050 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EX6C809050 6LBNH
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

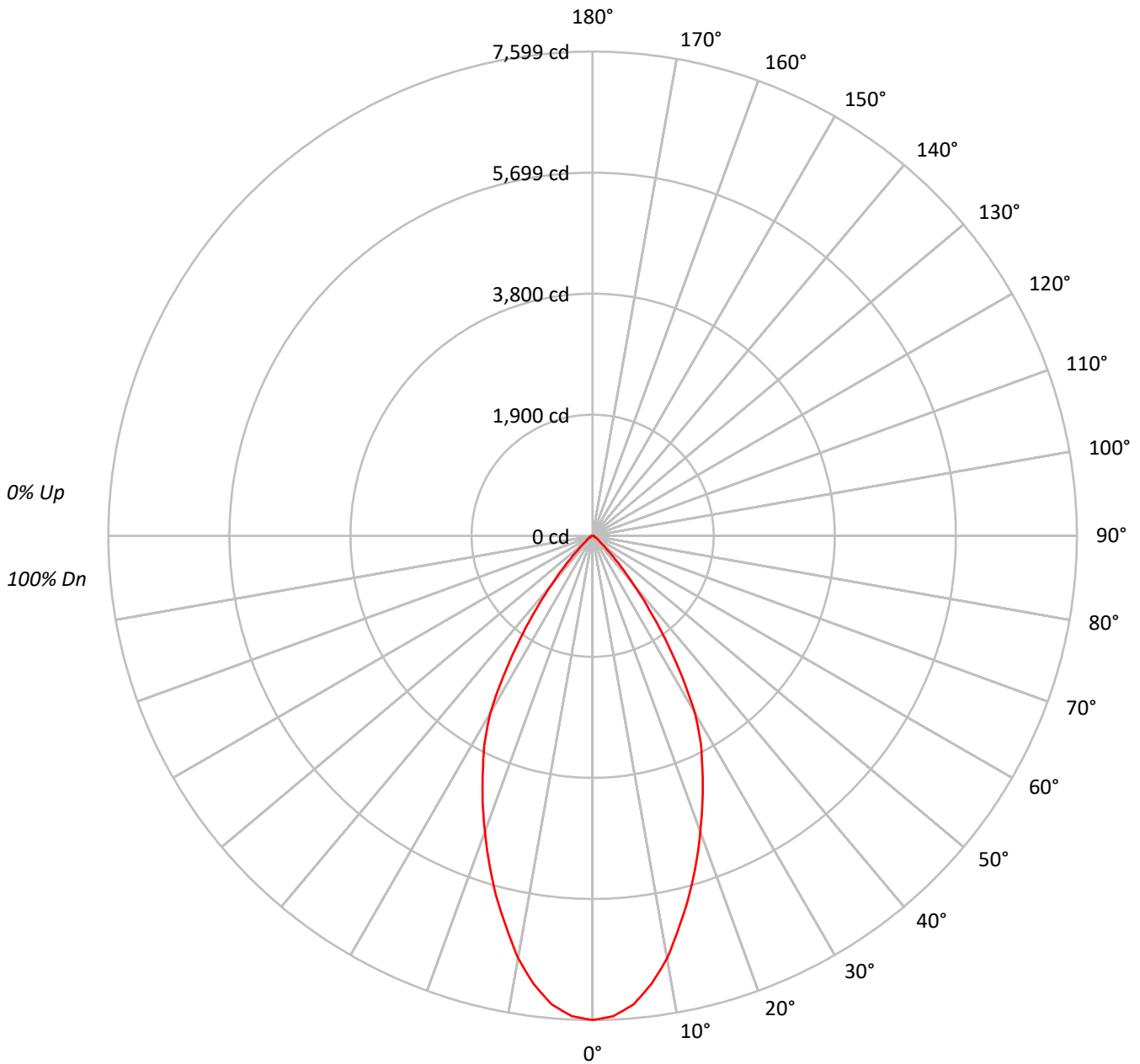
Lumens per Lamp: N/A
Luminaire Lumens: 5928.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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				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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416584
5°	406272
10°	374876
15°	331892
20°	288174
25°	246486
30°	203215
35°	133826
40°	71942
45°	31848
50°	12912
55°	9319
60°	5921
65°	4229
70°	3478
75°	2309
80°	3441
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.4	11.5
10°-20°	1629.6	27.5
20°-30°	1866.9	31.5
30°-40°	1254.3	21.2
40°-50°	358.4	6.0
50°-60°	87.7	1.5
60°-70°	33.3	0.6
70°-80°	12.9	0.2
80°-90°	1.5	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°	4179.8	70.5
0°-40°	5434.2	91.7
0°-60°	5880.3	99.2
0°-90°	5928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5928.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7599	
5°	7383	683
15°	5848	1630
25°	4075	1867
35°	2000	1254
45°	411	358
55°	98	88
65°	33	33
75°	11	13
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7599.1
2.5°	7545.1
5°	7382.8
7.5°	7090.8
10°	6734.4
12.5°	6280.1
15°	5847.9
17.5°	5394.0
20°	4939.7
22.5°	4507.6
25°	4075.0
27.5°	3675.1
30°	3210.3
32.5°	2594.1
35°	1999.7
37.5°	1459.2
40°	1005.3
42.5°	659.3
45°	410.8
47.5°	248.5
50°	151.4
52.5°	118.8
55°	97.5
57.5°	75.7
60°	54.0
62.5°	43.1
65°	32.6
67.5°	21.7
70°	21.7
72.5°	10.9
75°	10.9
77.5°	10.9
80°	10.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)