

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: P563943

Luminaire Tested: **LX6C40D010 EX6C409030 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563943
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: LX6C40D010 EX6C409030 6LBNH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

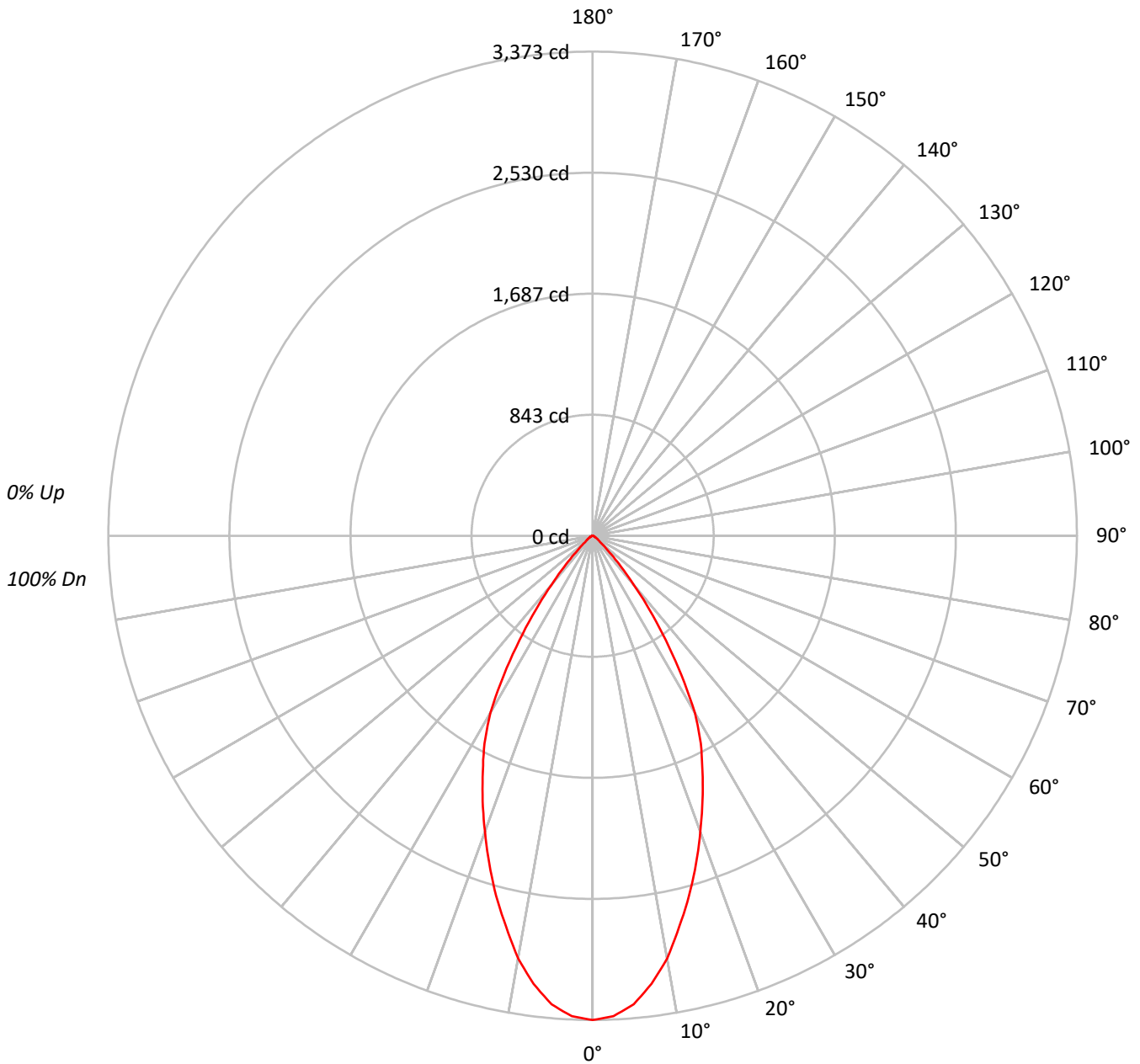
Lumens per Lamp: N/A
Luminaire Lumens: 2631.5 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	184925
5°	180348
10°	166408
15°	147333
20°	127924
25°	109422
30°	90210
35°	59408
40°	31931
45°	14141
50°	5731
55°	4129
60°	2631
65°	1868
70°	1555
75°	1017
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.3	11.5
10°-20°	723.4	27.5
20°-30°	828.7	31.5
30°-40°	556.8	21.2
40°-50°	159.1	6.0
50°-60°	38.9	1.5
60°-70°	14.8	0.6
70°-80°	5.7	0.2
80°-90°	0.7	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°	1855.5	70.5
0°-40°	2412.3	91.7
0°-60°	2610.3	99.2
0°-90°	2631.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3373	
5°	3277	303
15°	2596	723
25°	1809	829
35°	888	557
45°	182	159
55°	43	39
65°	14	15
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3373.3
2.5°	3349.3
5°	3277.3
7.5°	3147.7
10°	2989.4
12.5°	2787.8
15°	2596.0
17.5°	2394.5
20°	2192.8
22.5°	2000.9
25°	1809.0
27.5°	1631.4
30°	1425.1
32.5°	1151.6
35°	887.7
37.5°	647.8
40°	446.2
42.5°	292.6
45°	182.4
47.5°	110.3
50°	67.2
52.5°	52.8
55°	43.2
57.5°	33.6
60°	24.0
62.5°	19.1
65°	14.4
67.5°	9.7
70°	9.7
72.5°	4.8
75°	4.8
77.5°	4.8
80°	4.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)