

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: P684199

Luminaire Tested: **LX6C30D010 EX6C309050 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C30D010 EX6C309050 6LBMDH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

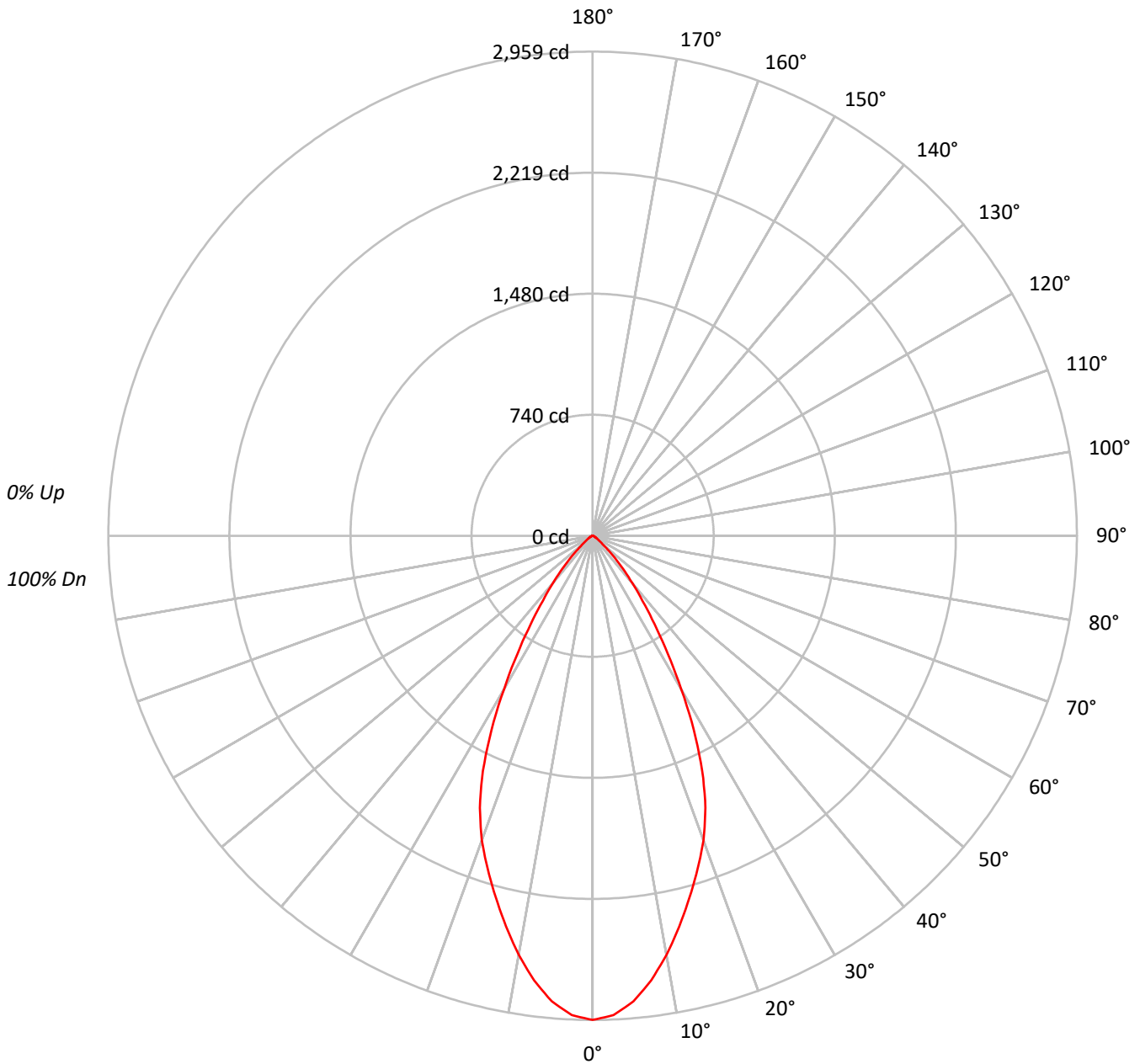
Lumens per Lamp: N/A
Luminaire Lumens: 2251.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	105	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	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	162191
5°	157170
10°	144731
15°	129813
20°	115504
25°	95915
30°	68523
35°	44049
40°	26843
45°	14924
50°	6610
55°	3833
60°	2522
65°	1790
70°	1266
75°	974
80°	631
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.4	11.7
10°-20°	639.9	28.4
20°-30°	711.6	31.6
30°-40°	421.7	18.7
40°-50°	154.5	6.9
50°-60°	38.8	1.7
60°-70°	14.2	0.6
70°-80°	4.9	0.2
80°-90°	1.0	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°	1615.9	71.8
0°-40°	2037.6	90.5
0°-60°	2230.9	99.1
0°-90°	2251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2251.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2959	
5°	2856	264
15°	2287	640
25°	1586	712
35°	658	422
45°	192	154
55°	40	39
65°	14	14
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2958.6
2.5°	2932.3
5°	2856.1
7.5°	2740.5
10°	2600.0
12.5°	2444.9
15°	2287.3
17.5°	2134.2
20°	1979.9
22.5°	1800.5
25°	1585.7
27.5°	1338.7
30°	1082.5
32.5°	853.3
35°	658.2
37.5°	499.9
40°	375.1
42.5°	273.3
45°	192.5
47.5°	122.2
50°	77.5
52.5°	54.5
55°	40.1
57.5°	30.2
60°	23.0
62.5°	17.7
65°	13.8
67.5°	10.5
70°	7.9
72.5°	5.9
75°	4.6
77.5°	3.3
80°	2.0
82.5°	1.3
85°	0.7
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)