

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: P684277

Luminaire Tested: **LX6C40D010 EX6C409050 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684277
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: LX6C40D010 EX6C409050 6LBMDH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

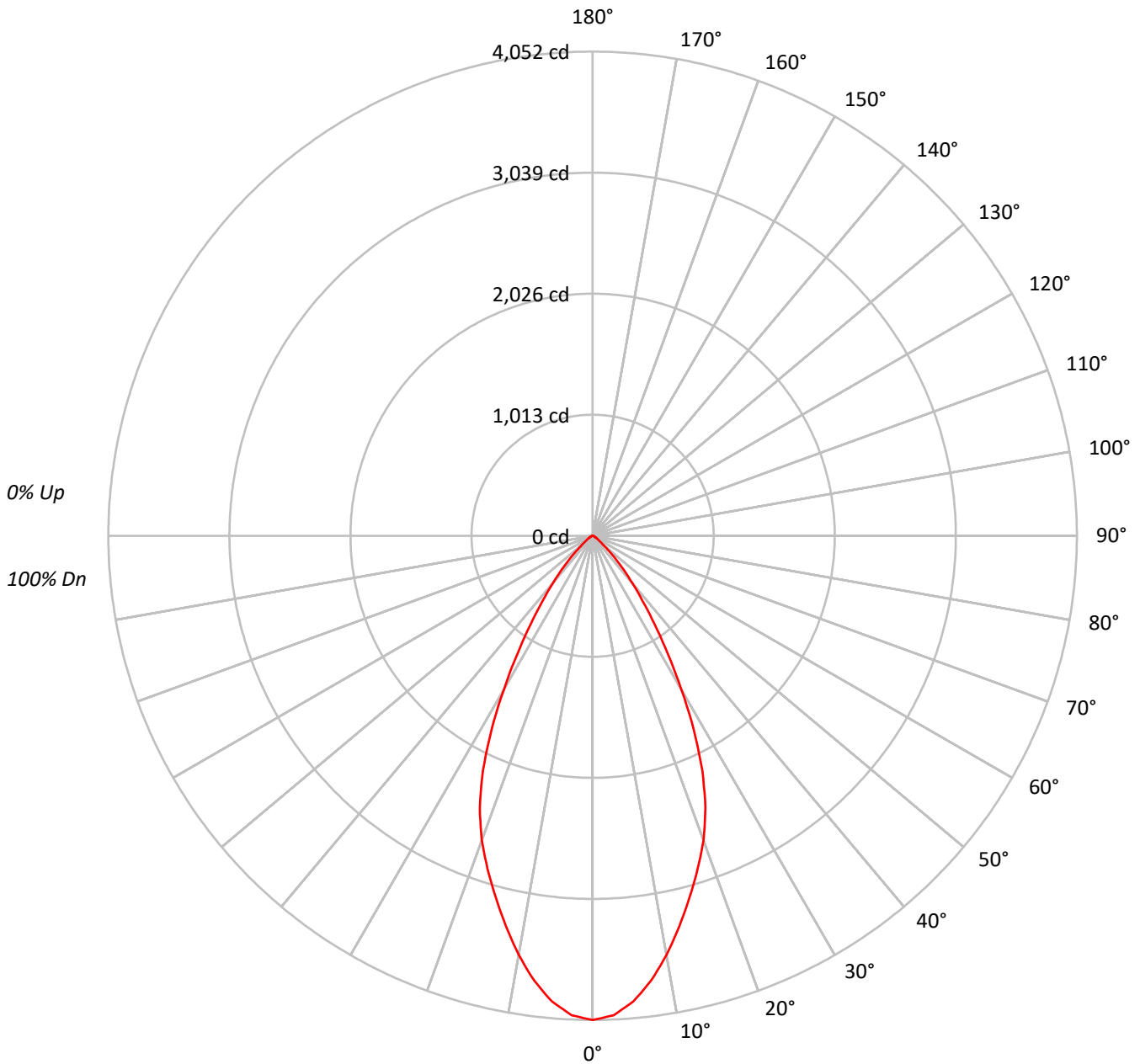
Lumens per Lamp: N/A
Luminaire Lumens: 3083.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	222142
5°	215265
10°	198221
15°	177793
20°	158190
25°	131366
30°	93856
35°	60331
40°	36762
45°	20436
50°	9057
55°	5247
60°	3454
65°	2452
70°	1731
75°	1334
80°	852
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	11.7
10°-20°	876.4	28.4
20°-30°	974.7	31.6
30°-40°	577.6	18.7
40°-50°	211.6	6.9
50°-60°	53.2	1.7
60°-70°	19.4	0.6
70°-80°	6.8	0.2
80°-90°	1.3	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°	2213.2	71.8
0°-40°	2790.8	90.5
0°-60°	3055.5	99.1
0°-90°	3083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4052	
5°	3912	362
15°	3133	876
25°	2172	975
35°	902	578
45°	264	212
55°	55	53
65°	19	19
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4052.2
2.5°	4016.2
5°	3911.8
7.5°	3753.5
10°	3560.9
12.5°	3348.6
15°	3132.7
17.5°	2923.1
20°	2711.6
22.5°	2466.0
25°	2171.8
27.5°	1833.5
30°	1482.7
32.5°	1168.7
35°	901.5
37.5°	684.7
40°	513.7
42.5°	374.3
45°	263.6
47.5°	167.3
50°	106.2
52.5°	74.7
55°	54.9
57.5°	41.4
60°	31.5
62.5°	24.3
65°	18.9
67.5°	14.4
70°	10.8
72.5°	8.1
75°	6.3
77.5°	4.5
80°	2.7
82.5°	1.8
85°	0.9
87.5°	0.9
90°	0.0



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— 0°-180°







(END OF REPORT)