

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: P684444

Luminaire Tested: **LX6C60D010 EX6C609027 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684444
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: LX6C60D010 EX6C609027 6LBMDH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

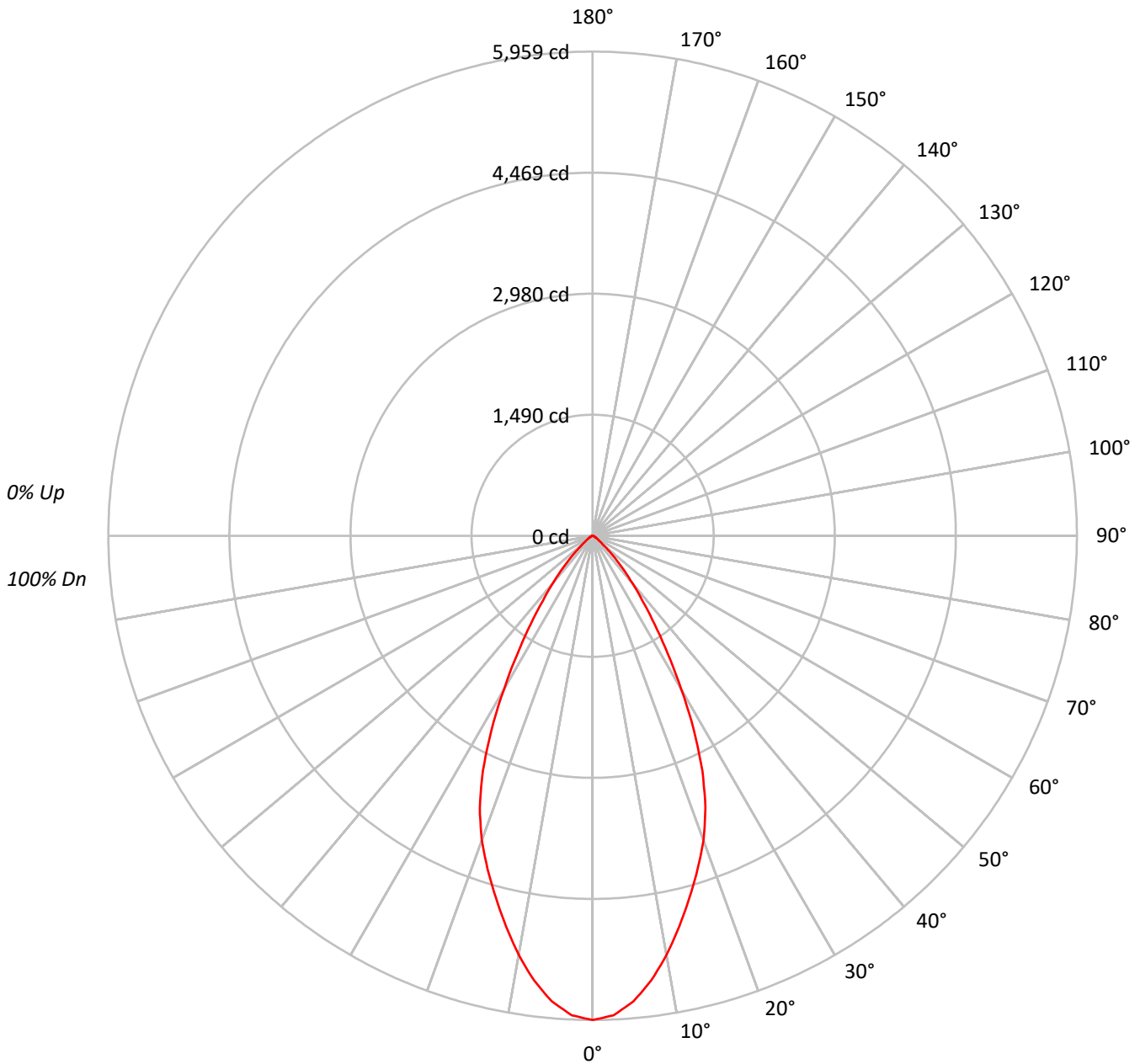
Lumens per Lamp: N/A
Luminaire Lumens: 4534.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	326690
5°	316580
10°	291517
15°	261471
20°	232648
25°	193197
30°	138028
35°	88727
40°	54066
45°	30057
50°	13313
55°	7713
60°	5076
65°	3606
70°	2549
75°	1970
80°	1263
85°	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.5	11.7
10°-20°	1288.9	28.4
20°-30°	1433.4	31.6
30°-40°	849.4	18.7
40°-50°	311.1	6.9
50°-60°	78.2	1.7
60°-70°	28.5	0.6
70°-80°	9.9	0.2
80°-90°	2.0	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°	3254.9	71.8
0°-40°	4104.2	90.5
0°-60°	4493.6	99.1
0°-90°	4534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4534.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5959	
5°	5753	533
15°	4607	1289
25°	3194	1433
35°	1326	849
45°	388	311
55°	81	78
65°	28	29
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5959.3
2.5°	5906.4
5°	5752.9
7.5°	5520.0
10°	5236.9
12.5°	4924.6
15°	4607.1
17.5°	4298.8
20°	3987.9
22.5°	3626.6
25°	3194.0
27.5°	2696.5
30°	2180.5
32.5°	1718.7
35°	1325.8
37.5°	1006.9
40°	755.5
42.5°	550.4
45°	387.7
47.5°	246.1
50°	156.1
52.5°	109.8
55°	80.7
57.5°	60.9
60°	46.3
62.5°	35.7
65°	27.8
67.5°	21.2
70°	15.9
72.5°	11.9
75°	9.3
77.5°	6.6
80°	4.0
82.5°	2.6
85°	1.3
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)