

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: P684433

Luminaire Tested: **LX6C55D010 EX6C559050 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684433
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: LX6C55D010 EX6C559050 6LBMDH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

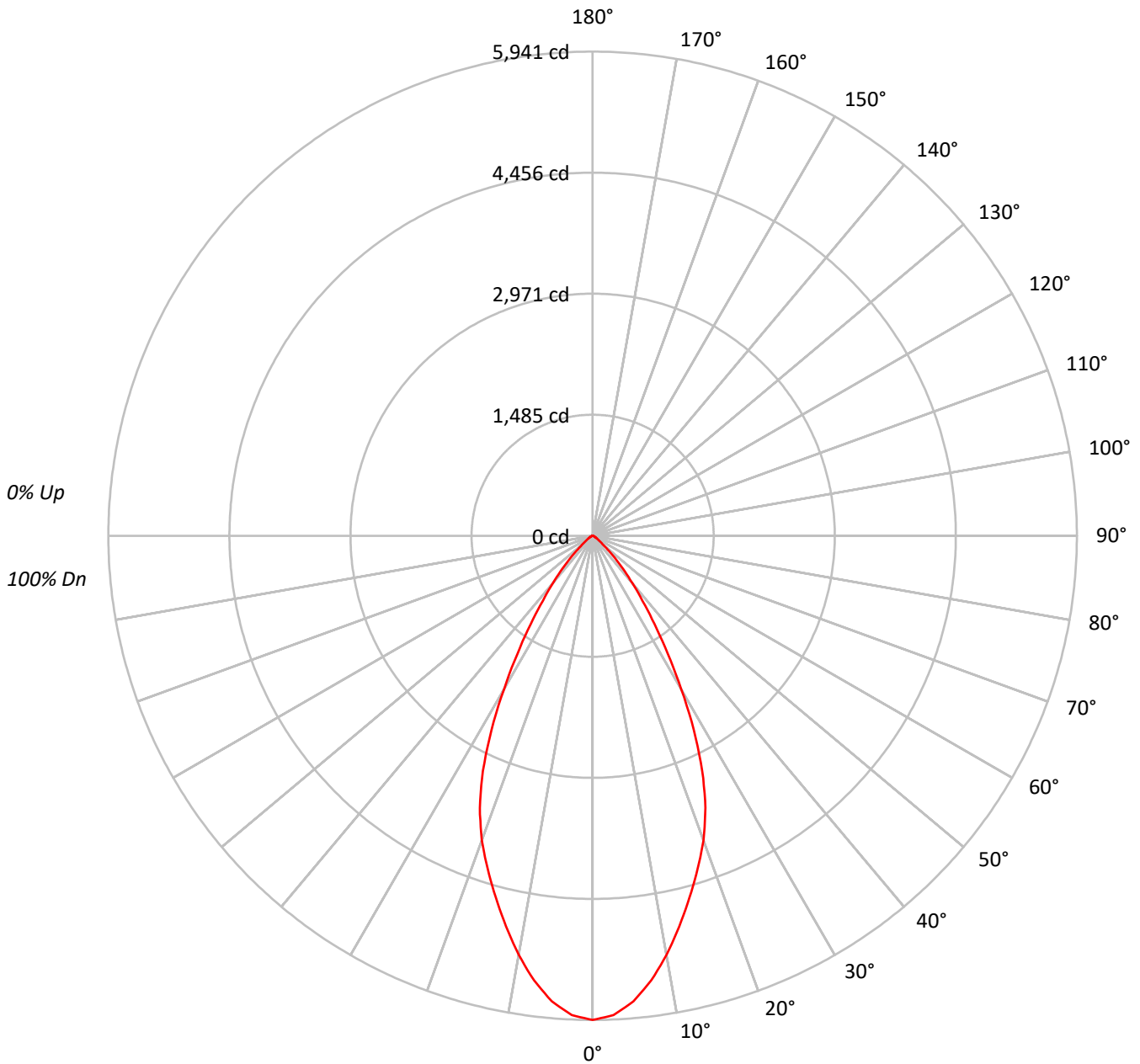
Lumens per Lamp: N/A
Luminaire Lumens: 4520.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	325681
5°	315600
10°	290615
15°	260660
20°	231924
25°	192598
30°	137603
35°	88452
40°	53901
45°	29964
50°	13270
55°	7694
60°	5065
65°	3593
70°	2532
75°	1949
80°	1263
85°	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.9	11.7
10°-20°	1285.0	28.4
20°-30°	1429.0	31.6
30°-40°	846.7	18.7
40°-50°	310.2	6.9
50°-60°	78.0	1.7
60°-70°	28.4	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°	3244.8	71.8
0°-40°	4091.6	90.5
0°-60°	4479.7	99.1
0°-90°	4520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4520.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5941	
5°	5735	531
15°	4593	1285
25°	3184	1429
35°	1322	847
45°	386	310
55°	80	78
65°	28	28
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5940.9
2.5°	5888.1
5°	5735.1
7.5°	5503.0
10°	5220.7
12.5°	4909.4
15°	4592.8
17.5°	4285.5
20°	3975.5
22.5°	3615.4
25°	3184.1
27.5°	2688.2
30°	2173.8
32.5°	1713.4
35°	1321.7
37.5°	1003.8
40°	753.2
42.5°	548.7
45°	386.5
47.5°	245.3
50°	155.6
52.5°	109.5
55°	80.5
57.5°	60.7
60°	46.2
62.5°	35.6
65°	27.7
67.5°	21.1
70°	15.8
72.5°	11.9
75°	9.2
77.5°	6.6
80°	4.0
82.5°	2.6
85°	1.3
87.5°	1.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)