

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: P563971

Luminaire Tested: **LX6C55D010 EX6C559030 6LBNH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563971
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: LX6C55D010 EX6C559030 6LBNH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

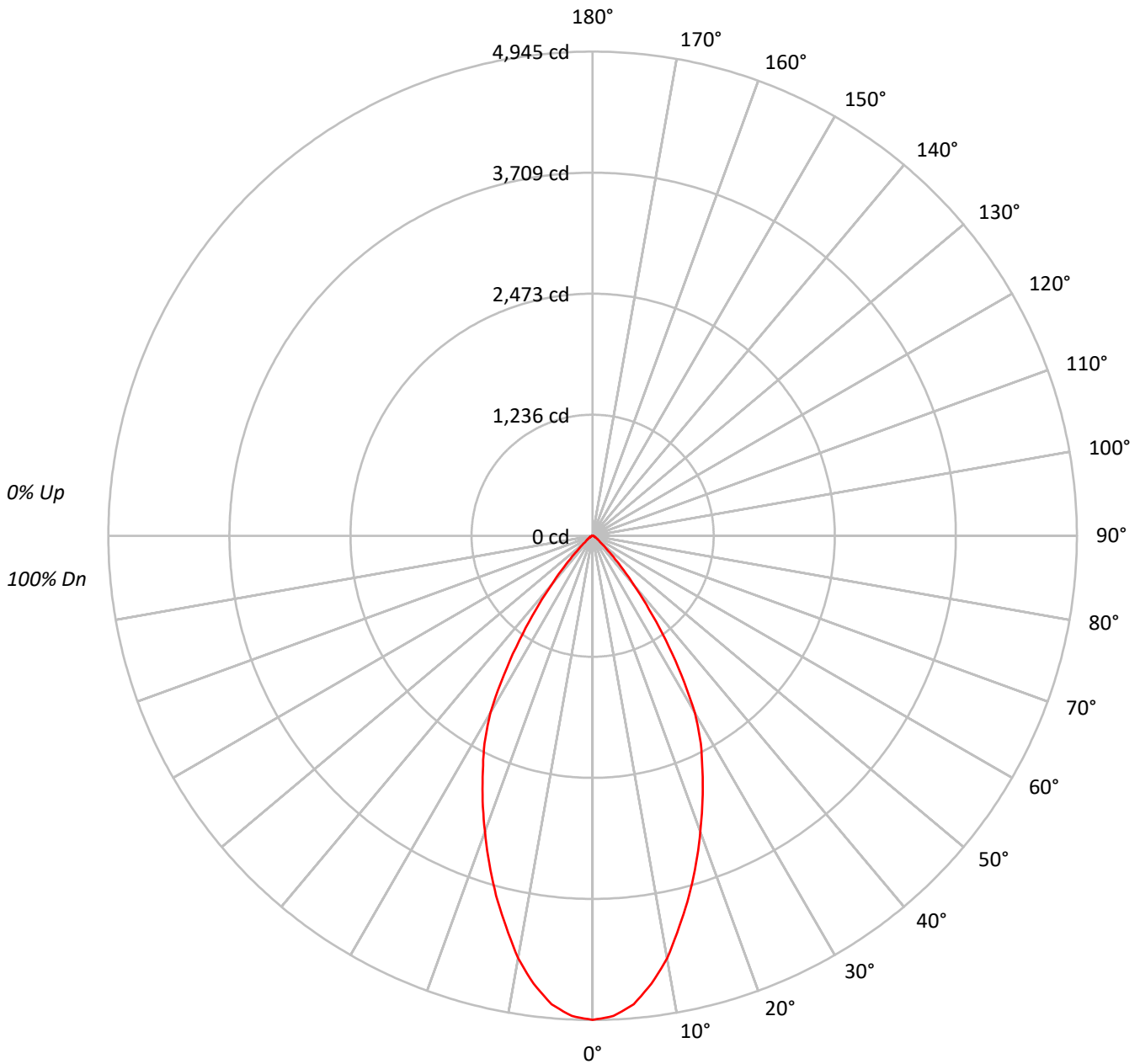
Lumens per Lamp: N/A
Luminaire Lumens: 3857.2 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	271064
5°	264351
10°	243922
15°	215955
20°	187505
25°	160382
30°	132229
35°	87074
40°	46809
45°	20723
50°	8409
55°	6060
60°	3848
65°	2763
70°	2260
75°	1504
80°	2241
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.6	11.5
10°-20°	1060.3	27.5
20°-30°	1214.7	31.5
30°-40°	816.2	21.2
40°-50°	233.2	6.0
50°-60°	57.1	1.5
60°-70°	21.7	0.6
70°-80°	8.4	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°	2719.7	70.5
0°-40°	3535.9	91.7
0°-60°	3826.1	99.2
0°-90°	3857.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3857.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4945	
5°	4804	445
15°	3805	1060
25°	2652	1215
35°	1301	816
45°	267	233
55°	63	57
65°	21	22
75°	7	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4944.6
2.5°	4909.4
5°	4803.8
7.5°	4613.8
10°	4381.9
12.5°	4086.3
15°	3805.1
17.5°	3509.7
20°	3214.1
22.5°	2933.0
25°	2651.5
27.5°	2391.3
30°	2088.9
32.5°	1687.9
35°	1301.1
37.5°	949.5
40°	654.1
42.5°	429.0
45°	267.3
47.5°	161.7
50°	98.6
52.5°	77.3
55°	63.4
57.5°	49.2
60°	35.1
62.5°	28.1
65°	21.3
67.5°	14.1
70°	14.1
72.5°	7.1
75°	7.1
77.5°	7.1
80°	7.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)