

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: P582991

Luminaire Tested: **LX6C55D010 EU6559040 6LBHYLI**

Issue Date: 8/31/2023



Test Information

Test Method: LM-79-08
Report Number: P582991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/31/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C55D010 EU6559040 6LBHYLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

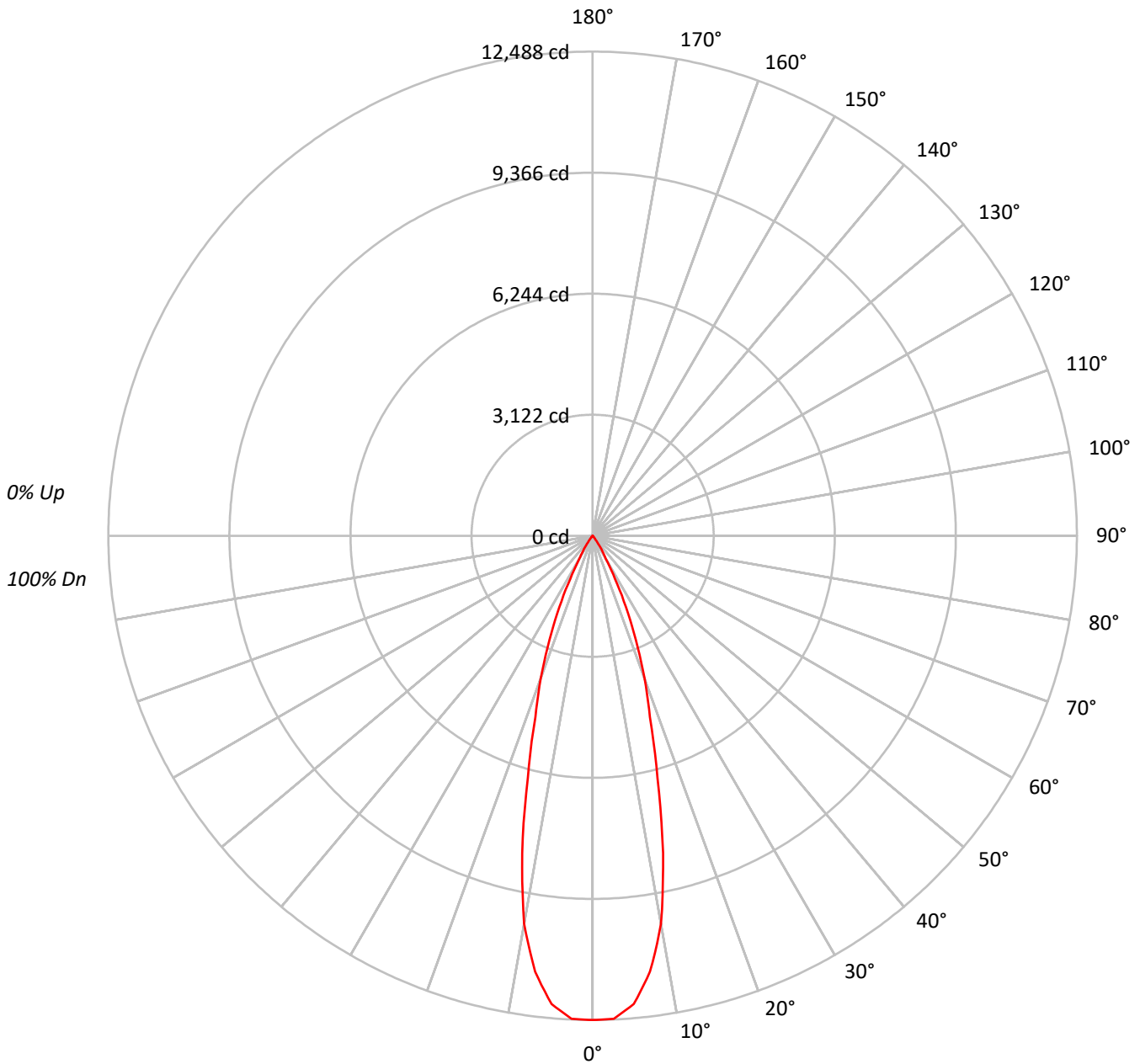
Lumens per Lamp: N/A
Luminaire Lumens: 4037.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76																			
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71																			
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	684611
5°	667327
10°	565771
15°	366710
20°	227736
25°	122572
30°	42127
35°	16965
40°	4537
45°	2023
50°	793
55°	354
60°	208
65°	246
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1093.8	27.1
10°-20°	1804.0	44.7
20°-30°	935.3	23.2
30°-40°	177.1	4.4
40°-50°	22.3	0.6
50°-60°	3.3	0.1
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	3833.1	94.9
0°-40°	4010.2	99.3
0°-60°	4035.9	100.0
0°-90°	4037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4037.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12488	
5°	12127	###
15°	6461	1804
25°	2026	935
35°	254	177
45°	26	22
55°	4	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12488.3
2.5°	12467.8
5°	12126.7
7.5°	11343.7
10°	10163.7
12.5°	8387.1
15°	6461.4
17.5°	4906.6
20°	3903.7
22.5°	2910.0
25°	2026.4
27.5°	1245.3
30°	665.5
32.5°	449.3
35°	253.5
37.5°	110.0
40°	63.4
42.5°	41.0
45°	26.1
47.5°	14.9
50°	9.3
52.5°	3.7
55°	3.7
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)