

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: P710916

Luminaire Tested: **LD6C05D010 EU6059030 6LBHYH**

Issue Date: 10/18/2023



Test Information

Test Method: LM-79-08
Report Number: P710916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/18/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C05D010 EU6059030 6LBHYH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LCHYP TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

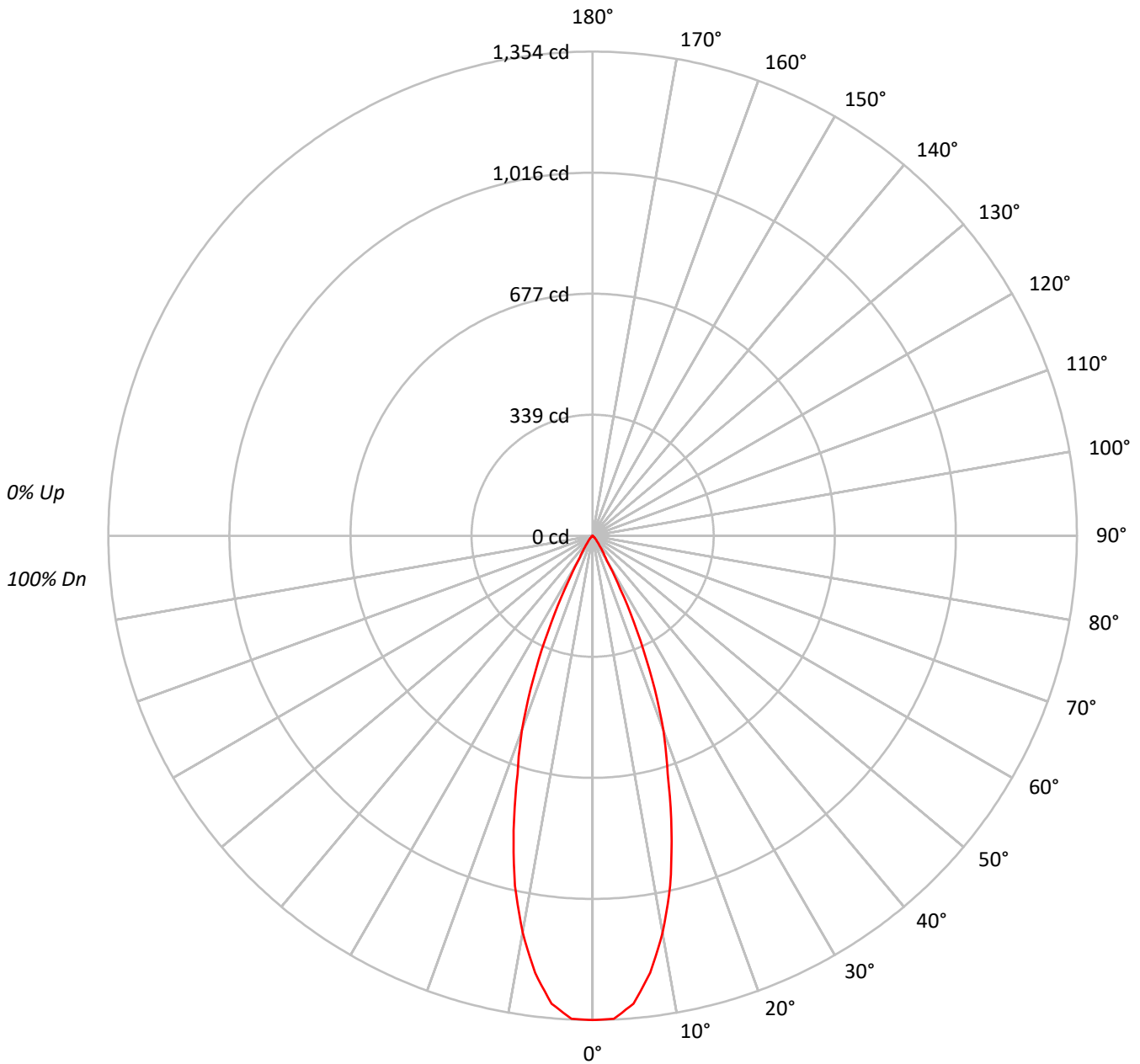
Lumens per Lamp: N/A
Luminaire Lumens: 517.3 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																											
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88																											
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	86	84																											
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81																											
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78																											
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75																											
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																											
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69																											
10	83	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	68	67																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74237
5°	72276
10°	62713
15°	48388
20°	33714
25°	17771
30°	4963
35°	2195
40°	1102
45°	574
50°	247
55°	38
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	23.0
10°-20°	233.1	45.1
20°-30°	134.7	26.0
30°-40°	23.6	4.6
40°-50°	6.0	1.2
50°-60°	0.7	0.1
60°-70°	0.0	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°	487.0	94.1
0°-40°	510.6	98.7
0°-60°	517.3	100.0
0°-90°	517.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1354	
5°	1313	119
15°	853	233
25°	294	135
35°	33	24
45°	7	6
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1354.2
2.5°	1352.0
5°	1313.4
7.5°	1232.7
10°	1126.6
12.5°	1002.2
15°	852.6
17.5°	698.5
20°	577.9
22.5°	434.1
25°	293.8
27.5°	168.1
30°	78.4
32.5°	53.6
35°	32.8
37.5°	22.0
40°	15.4
42.5°	10.5
45°	7.4
47.5°	4.8
50°	2.9
52.5°	1.3
55°	0.4
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
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)