

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P753514

Luminaire Tested: LD4D75BD010-EU4DR6070959040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8405.3 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
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: 24 FT

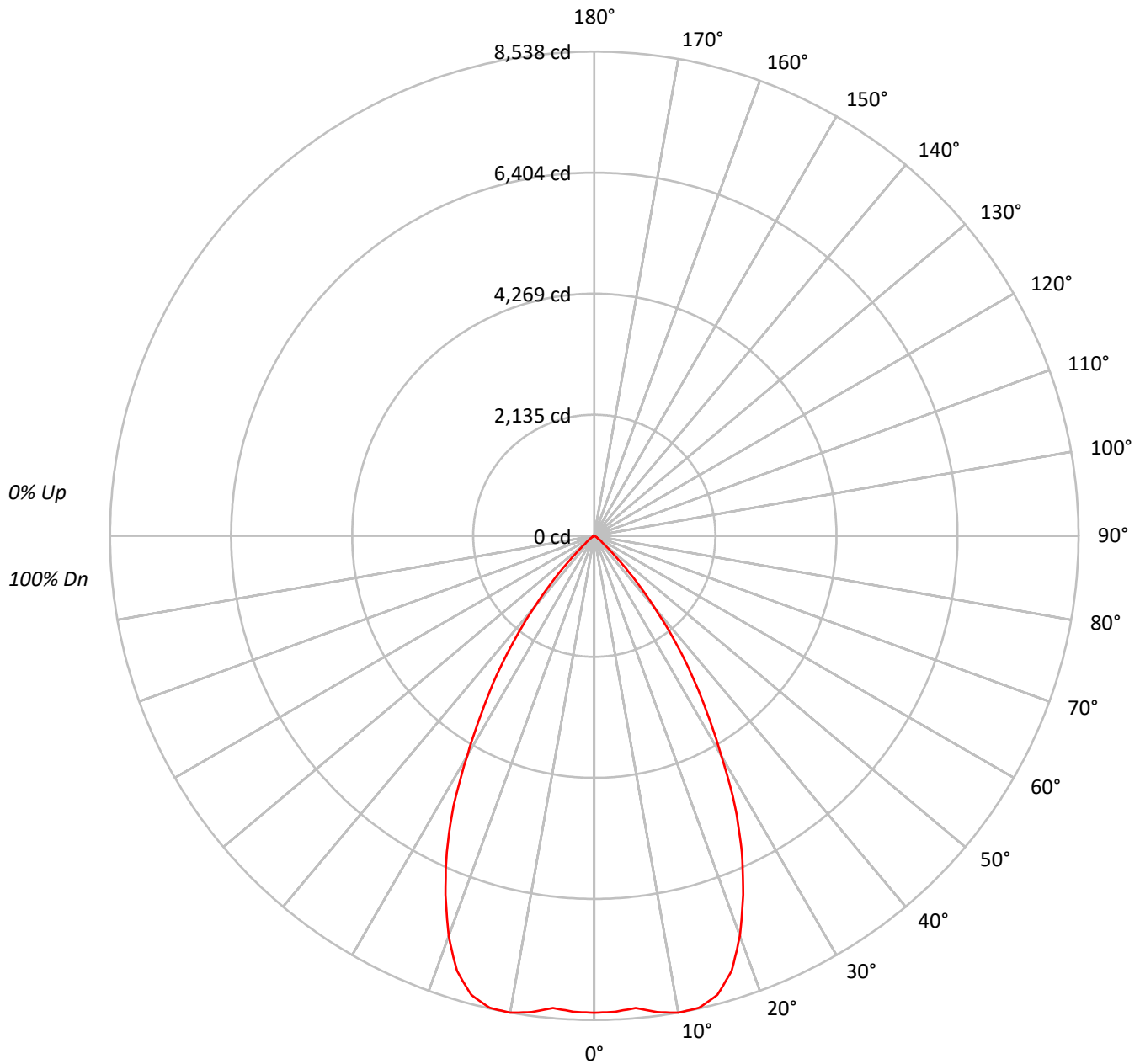


Downlight

TEST NUMBER: P753514

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P753514

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	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	88	83	79	86	82	78	84	81	78	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65		
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61		
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57		
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53		
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	919047
5°	916799
10°	947259
15°	948232
20°	872477
25°	742094
30°	565452
35°	399868
40°	234811
45°	94750
50°	31633
55°	15220
60°	6250
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94750 cd/sqm



TEST NUMBER: P753514

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.4	9.6
10°-20°	2322.3	27.6
20°-30°	2779.6	33.1
30°-40°	1859.1	22.1
40°-50°	551.2	6.6
50°-60°	79.2	0.9
60°-70°	7.5	0.1
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°	5908.3	70.3
0°-40°	7767.4	92.4
0°-60°	8397.8	99.9
0°-90°	8405.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8405.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8412	
5°	8359	806
15°	8383	2322
25°	6156	2780
35°	2998	1859
45°	613	551
55°	80	79
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753514

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	8411.5
2.5°	8400.8
5°	8359.0
7.5°	8472.4
10°	8538.0
12.5°	8526.0
15°	8382.9
17.5°	8045.3
20°	7503.7
22.5°	6853.5
25°	6155.6
27.5°	5369.5
30°	4481.9
32.5°	3689.8
35°	2997.9
37.5°	2304.8
40°	1646.3
42.5°	1085.6
45°	613.2
47.5°	313.7
50°	186.1
52.5°	120.5
55°	79.9
57.5°	51.3
60°	28.6
62.5°	11.9
65°	3.6
67.5°	1.2
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)