

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: P751951

Luminaire Tested: LD4D65D010-EU4DR6055659040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6055659040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6392.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

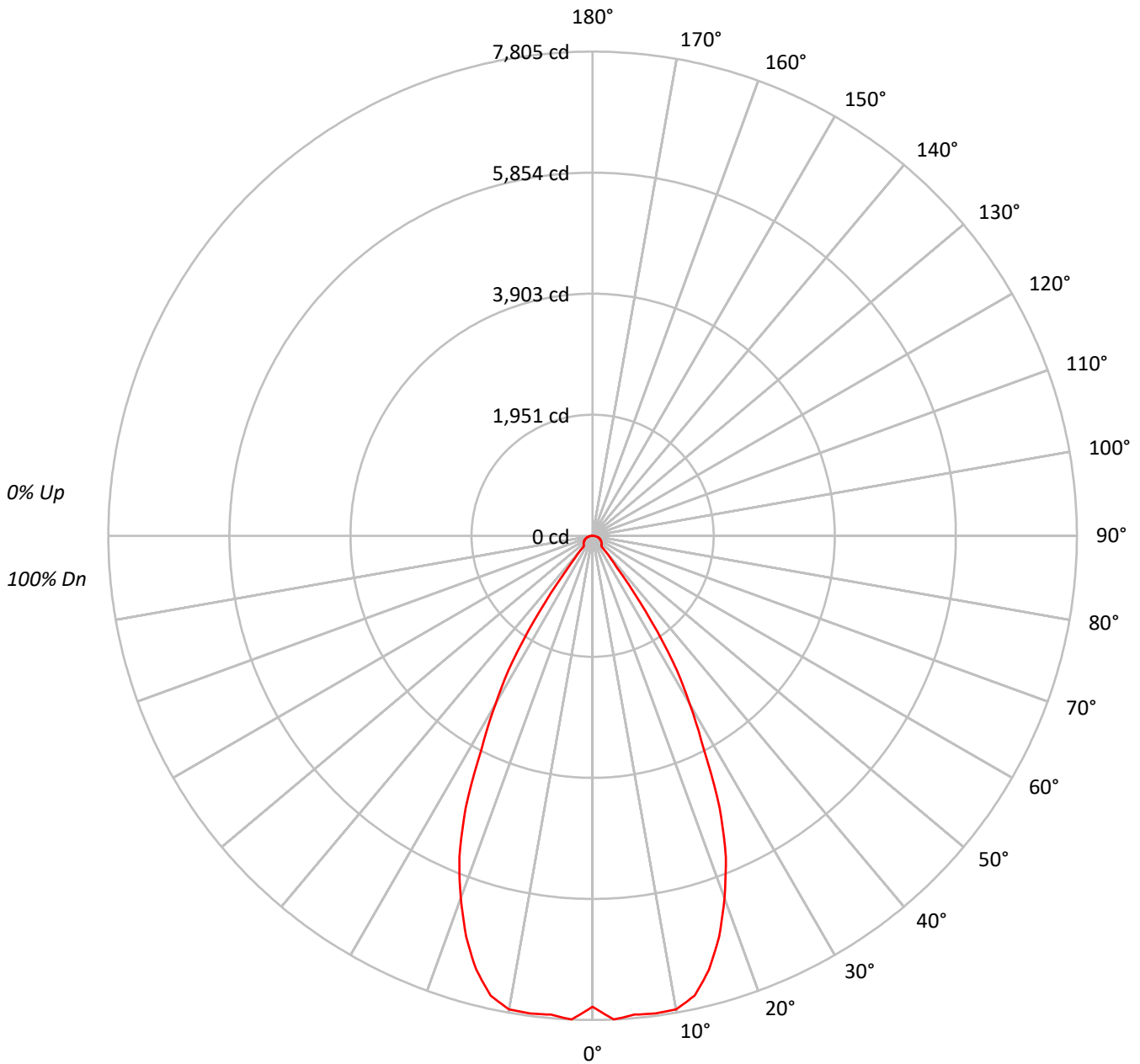
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	829497
5°	849896
10°	860166
15°	819417
20°	722473
25°	584359
30°	395270
35°	198073
40°	32134
45°	31444
50°	32075
55°	32555
60°	33456
65°	34230
70°	35044
75°	35461
80°	34166
85°	28457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 35461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	740.6	11.6
10°-20°	2003.8	31.3
20°-30°	2155.9	33.7
30°-40°	937.1	14.7
40°-50°	157.4	2.5
50°-60°	153.0	2.4
60°-70°	130.9	2.0
70°-80°	87.6	1.4
80°-90°	26.2	0.4
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°	4900.3	76.7
0°-40°	5837.4	91.3
0°-60°	6147.8	96.2
0°-90°	6392.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6392.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7592	
5°	7749	741
15°	7244	2004
25°	4847	2156
35°	1485	937
45°	204	157
55°	171	153
65°	132	131
75°	84	88
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7591.9
2.5°	7805.3
5°	7749.0
7.5°	7766.8
10°	7753.0
12.5°	7592.9
15°	7244.1
17.5°	6775.8
20°	6213.6
22.5°	5611.9
25°	4847.2
27.5°	3877.0
30°	3133.0
32.5°	2414.7
35°	1485.0
37.5°	635.3
40°	225.3
42.5°	207.5
45°	203.5
47.5°	196.6
50°	188.7
52.5°	179.8
55°	170.9
57.5°	162.0
60°	153.1
62.5°	143.3
65°	132.4
67.5°	121.5
70°	109.7
72.5°	96.8
75°	84.0
77.5°	69.2
80°	54.3
82.5°	38.5
85°	22.7
87.5°	7.9
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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