

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: P751169

Luminaire Tested: LD4D60D010-EU4DR6055659040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751169
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: LD4D60D010-EU4DR6055659040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 6382.4 lumens
Efficiency: N/A
Efficacy: 99.1 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): 64.4
Input Voltage (V): NR
Input Current (Ain): 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

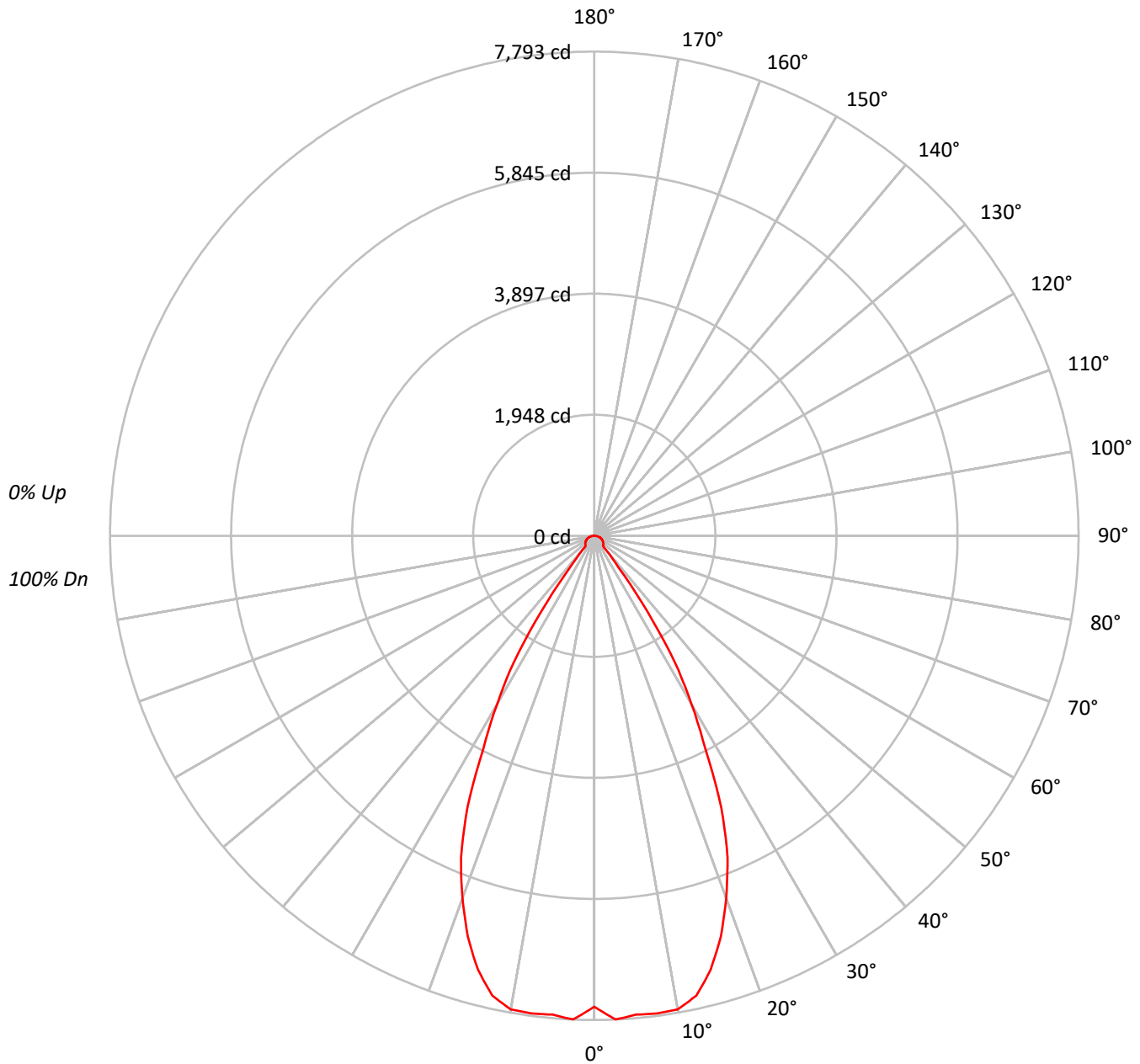


Downlight

TEST NUMBER: P751169

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBDP1H

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
RW	70	50	30	10		70	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
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	828186
5°	848547
10°	858802
15°	818127
20°	721334
25°	583430
30°	394639
35°	197753
40°	32077
45°	31398
50°	32024
55°	32517
60°	33412
65°	34178
70°	34981
75°	35376
80°	34166
85°	28457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.4	11.6
10°-20°	2000.6	31.3
20°-30°	2152.5	33.7
30°-40°	935.6	14.7
40°-50°	157.1	2.5
50°-60°	152.8	2.4
60°-70°	130.7	2.0
70°-80°	87.5	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°	4892.5	76.7
0°-40°	5828.1	91.3
0°-60°	6138.1	96.2
0°-90°	6382.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6382.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7580	
5°	7737	739
15°	7233	2001
25°	4840	2152
35°	1483	936
45°	203	157
55°	171	153
65°	132	131
75°	84	87
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7579.9
2.5°	7793.0
5°	7736.7
7.5°	7754.5
10°	7740.7
12.5°	7580.9
15°	7232.7
17.5°	6765.1
20°	6203.8
22.5°	5603.0
25°	4839.5
27.5°	3870.8
30°	3128.0
32.5°	2410.9
35°	1482.6
37.5°	634.3
40°	224.9
42.5°	207.2
45°	203.2
47.5°	196.3
50°	188.4
52.5°	179.5
55°	170.7
57.5°	161.8
60°	152.9
62.5°	143.0
65°	132.2
67.5°	121.3
70°	109.5
72.5°	96.7
75°	83.8
77.5°	69.1
80°	54.3
82.5°	38.5
85°	22.7
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)