

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: P751130

Luminaire Tested: LD4D60D010-EU4DR6055659027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751130
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-EU4DR6055659027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5856.8 lumens
Efficiency: N/A
Efficacy: 90.9 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

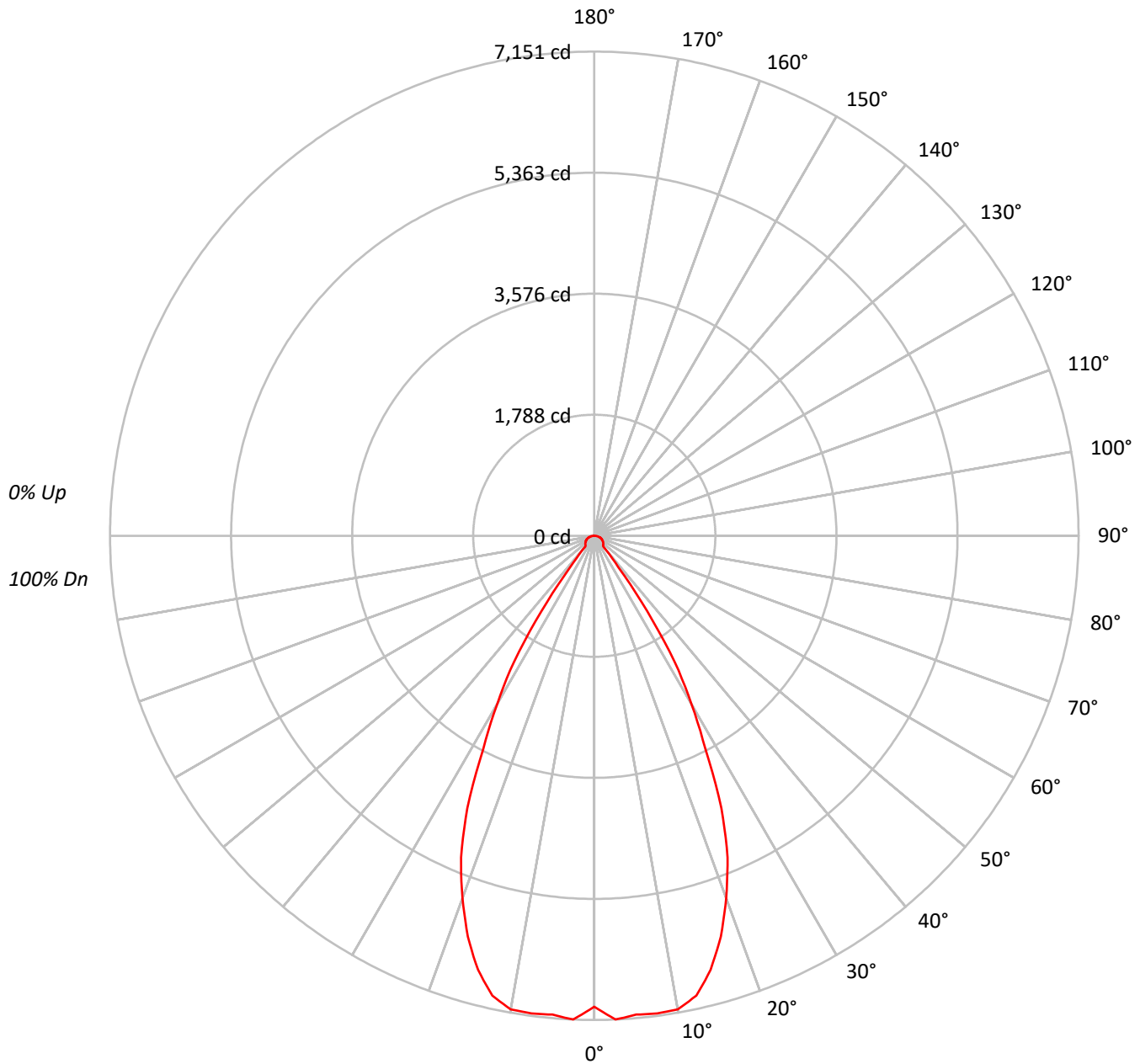


Downlight

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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°	759985
5°	778671
10°	788074
15°	750745
20°	661930
25°	535389
30°	362140
35°	181467
40°	29439
45°	28818
50°	29389
55°	29831
60°	30659
65°	31360
70°	32105
75°	32463
80°	31335
85°	26075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 32463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.5	11.6
10°-20°	1835.8	31.3
20°-30°	1975.2	33.7
30°-40°	858.6	14.7
40°-50°	144.2	2.5
50°-60°	140.2	2.4
60°-70°	119.9	2.0
70°-80°	80.2	1.4
80°-90°	24.0	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°	4489.6	76.7
0°-40°	5348.2	91.3
0°-60°	5632.6	96.2
0°-90°	5856.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5856.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6956	
5°	7100	679
15°	6637	1836
25°	4441	1975
35°	1360	859
45°	186	144
55°	157	140
65°	121	120
75°	77	80
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6955.7
2.5°	7151.2
5°	7099.6
7.5°	7115.9
10°	7103.2
12.5°	6956.6
15°	6637.0
17.5°	6208.0
20°	5692.9
22.5°	5141.6
25°	4441.0
27.5°	3552.1
30°	2870.4
32.5°	2212.3
35°	1360.5
37.5°	582.1
40°	206.4
42.5°	190.1
45°	186.5
47.5°	180.1
50°	172.9
52.5°	164.7
55°	156.6
57.5°	148.5
60°	140.3
62.5°	131.3
65°	121.3
67.5°	111.3
70°	100.5
72.5°	88.7
75°	76.9
77.5°	63.4
80°	49.8
82.5°	35.3
85°	20.8
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)