

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: P753497

Luminaire Tested: LD4D75BD010-EU4DR6070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753497
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: LD4D75BD010-EU4DR6070959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7628.4 lumens
Efficiency: N/A
Efficacy: 105.4 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): 72.4
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

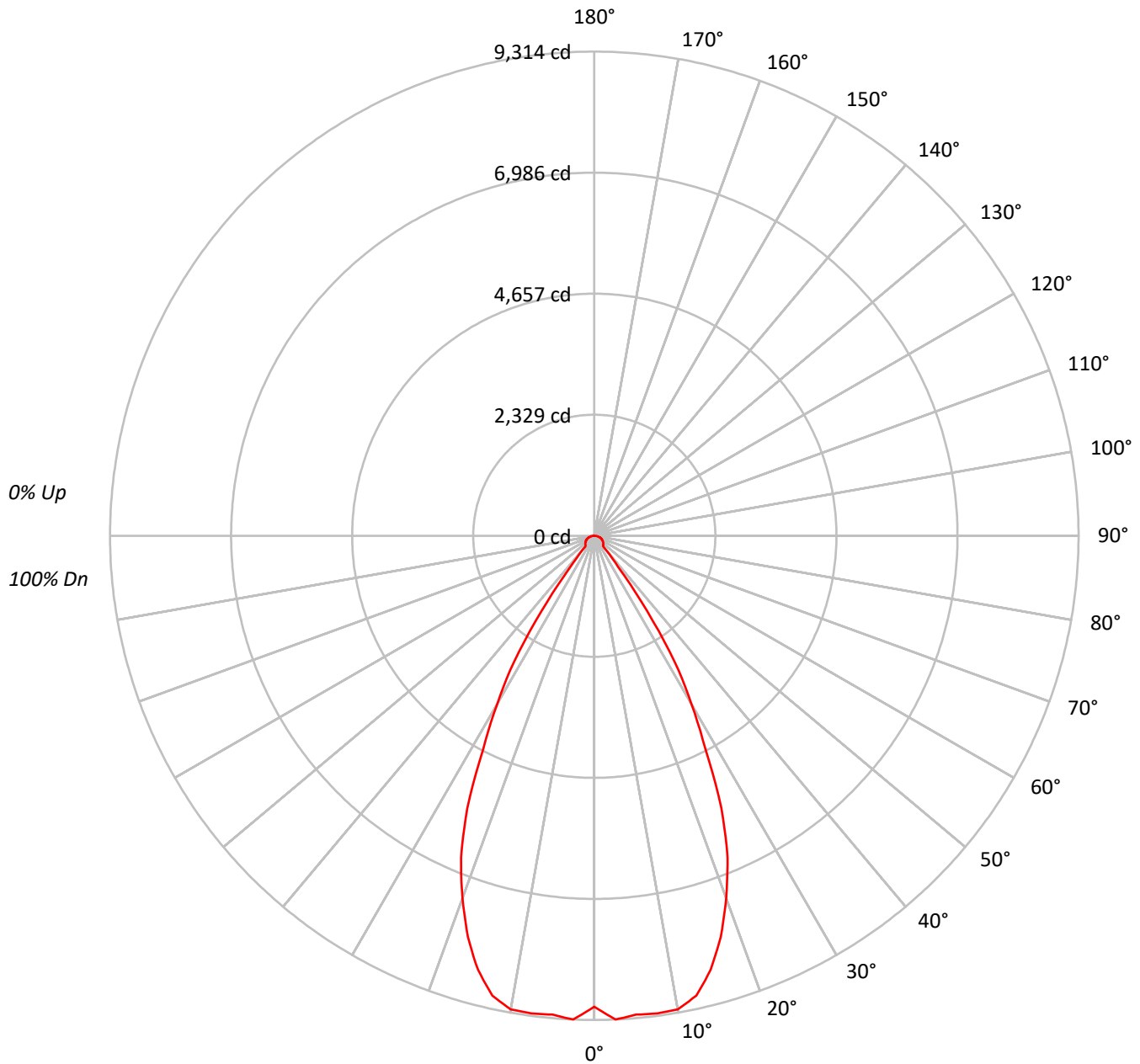


Downlight

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	989870
5°	1014215
10°	1026464
15°	977846
20°	862163
25°	697344
30°	471687
35°	236368
40°	38339
45°	37532
50°	38279
55°	38860
60°	39946
65°	40848
70°	41817
75°	42300
80°	40773
85°	33973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 42300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	883.8	11.6
10°-20°	2391.2	31.3
20°-30°	2572.7	33.7
30°-40°	1118.3	14.7
40°-50°	187.8	2.5
50°-60°	182.7	2.4
60°-70°	156.2	2.0
70°-80°	104.5	1.4
80°-90°	31.3	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°	5847.7	76.7
0°-40°	6966.0	91.3
0°-60°	7336.5	96.2
0°-90°	7628.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7628.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9060	
5°	9247	884
15°	8645	2391
25°	5784	2573
35°	1772	1118
45°	243	188
55°	204	183
65°	158	156
75°	100	104
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9059.7
2.5°	9314.4
5°	9247.2
7.5°	9268.4
10°	9251.9
12.5°	9060.9
15°	8644.7
17.5°	8085.8
20°	7415.0
22.5°	6696.9
25°	5784.4
27.5°	4626.5
30°	3738.7
32.5°	2881.6
35°	1772.1
37.5°	758.1
40°	268.8
42.5°	247.6
45°	242.9
47.5°	234.6
50°	225.2
52.5°	214.6
55°	204.0
57.5°	193.4
60°	182.8
62.5°	171.0
65°	158.0
67.5°	145.0
70°	130.9
72.5°	115.5
75°	100.2
77.5°	82.5
80°	64.8
82.5°	46.0
85°	27.1
87.5°	9.4
90°	0.0



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— 0°-180°







(END OF REPORT)