

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: P773107

Luminaire Tested: LD6D85BD010-EU6DR6070959030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773107
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: LD6D85BD010-EU6DR6070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10318.7 lumens
Efficiency: N/A
Efficacy: 117.7 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): 87.7
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

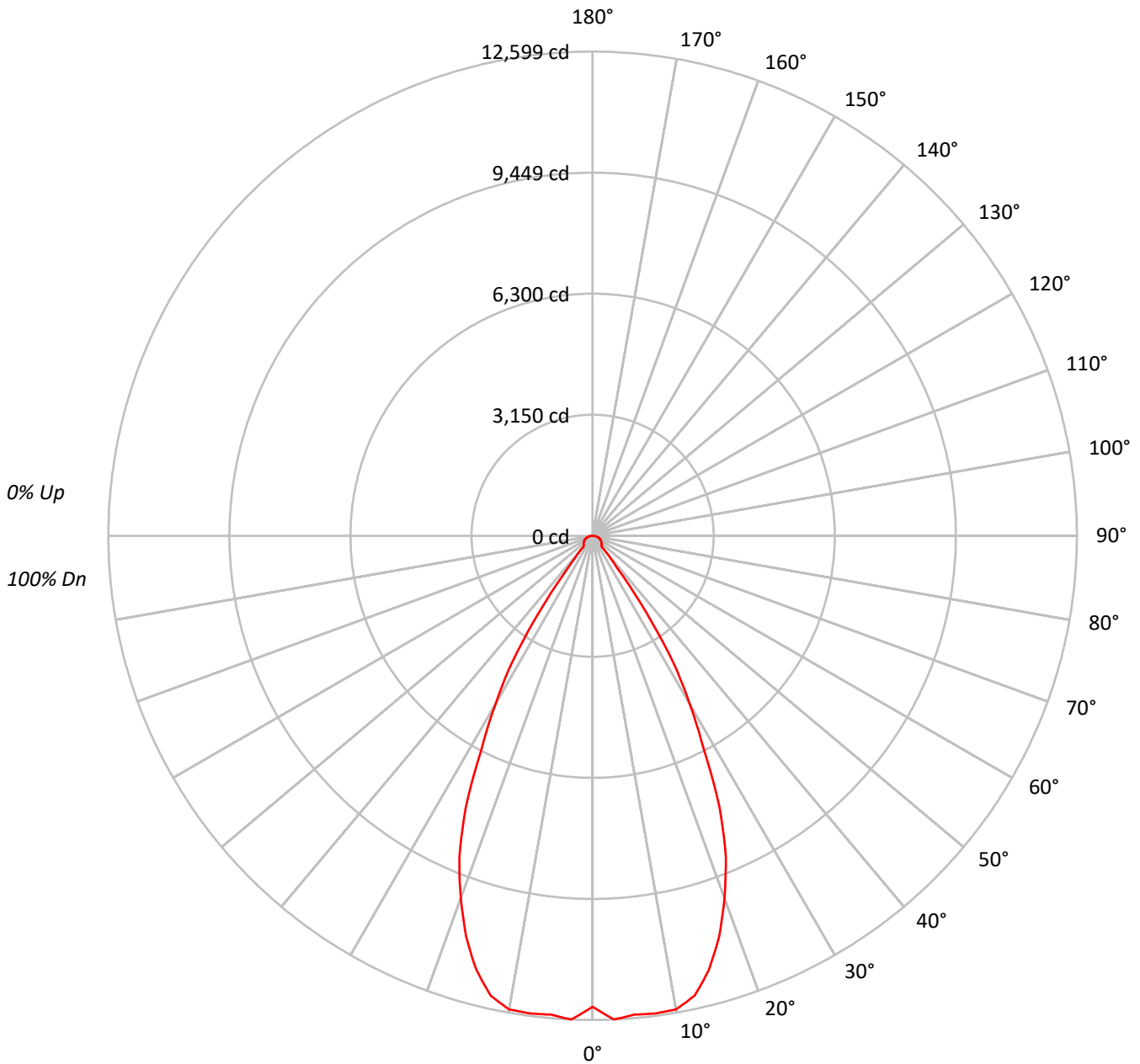


Downlight

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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°	1338958
5°	1371876
10°	1388448
15°	1322688
20°	1166205
25°	943254
30°	638034
35°	319718
40°	51860
45°	50759
50°	51776
55°	52556
60°	54019
65°	55248
70°	56544
75°	57244
80°	55182
85°	46008

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 57244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1195.5	11.6
10°-20°	3234.4	31.3
20°-30°	3480.0	33.7
30°-40°	1512.7	14.7
40°-50°	254.1	2.5
50°-60°	247.1	2.4
60°-70°	211.3	2.0
70°-80°	141.4	1.4
80°-90°	42.3	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°	7909.9	76.7
0°-40°	9422.5	91.3
0°-60°	9923.7	96.2
0°-90°	10318.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10318.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12255	
5°	12508	###
15°	11693	3234
25°	7824	3480
35°	2397	1513
45°	328	254
55°	276	247
65°	214	211
75°	136	141
85°	37	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12254.7
2.5°	12599.1
5°	12508.2
7.5°	12536.9
10°	12514.6
12.5°	12256.3
15°	11693.3
17.5°	10937.3
20°	10029.9
22.5°	9058.6
25°	7824.2
27.5°	6258.1
30°	5057.2
32.5°	3897.8
35°	2397.0
37.5°	1025.5
40°	363.6
42.5°	334.9
45°	328.5
47.5°	317.4
50°	304.6
52.5°	290.3
55°	275.9
57.5°	261.6
60°	247.2
62.5°	231.3
65°	213.7
67.5°	196.2
70°	177.0
72.5°	156.3
75°	135.6
77.5°	111.6
80°	87.7
82.5°	62.2
85°	36.7
87.5°	12.8
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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(END OF REPORT)