

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: P773094

Luminaire Tested: LD6D85BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773094
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-EU6DR6070959027-6LBDP1H
Description: 6 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: 10015.9 lumens
Efficiency: N/A
Efficacy: 114.2 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

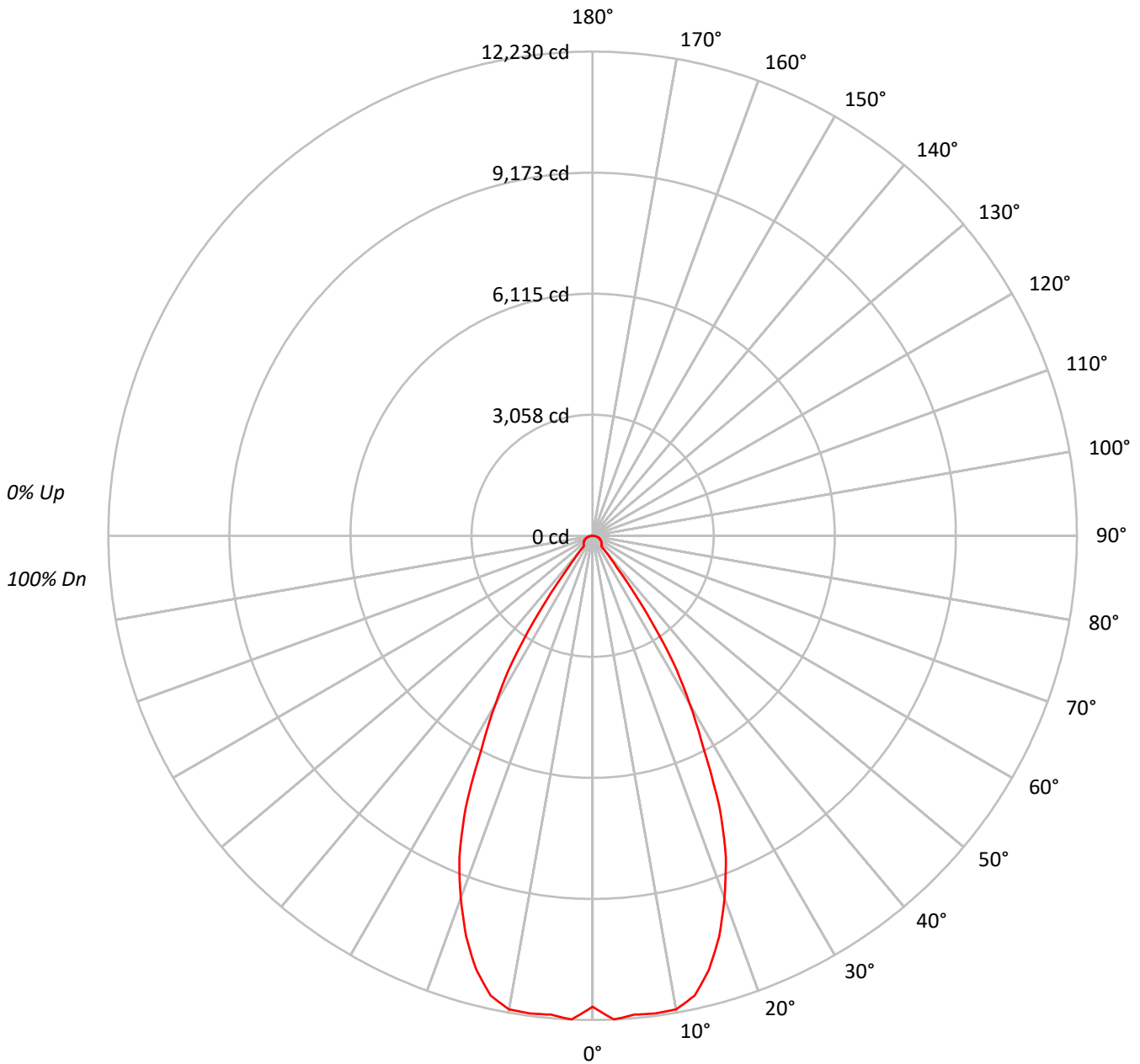


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1299679
5°	1331635
10°	1347720
15°	1283890
20°	1131998
25°	915586
30°	619324
35°	310342
40°	50348
45°	49276
50°	50263
55°	51013
60°	52423
65°	53620
70°	54883
75°	55555
80°	53546
85°	44629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 55555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1160.4	11.6
10°-20°	3139.5	31.3
20°-30°	3377.9	33.7
30°-40°	1468.3	14.7
40°-50°	246.6	2.5
50°-60°	239.8	2.4
60°-70°	205.1	2.0
70°-80°	137.2	1.4
80°-90°	41.1	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°	7677.9	76.7
0°-40°	9146.2	91.3
0°-60°	9632.6	96.2
0°-90°	10015.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10015.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11895	
5°	12141	###
15°	11350	3140
25°	7595	3378
35°	2327	1468
45°	319	247
55°	268	240
65°	207	205
75°	132	137
85°	36	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11895.2
2.5°	12229.6
5°	12141.3
7.5°	12169.2
10°	12147.5
12.5°	11896.7
15°	11350.3
17.5°	10616.5
20°	9735.7
22.5°	8792.9
25°	7594.7
27.5°	6074.5
30°	4908.9
32.5°	3783.4
35°	2326.7
37.5°	995.4
40°	353.0
42.5°	325.1
45°	318.9
47.5°	308.1
50°	295.7
52.5°	281.7
55°	267.8
57.5°	253.9
60°	239.9
62.5°	224.5
65°	207.4
67.5°	190.4
70°	171.8
72.5°	151.7
75°	131.6
77.5°	108.4
80°	85.1
82.5°	60.4
85°	35.6
87.5°	12.4
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)