

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: P766893

Luminaire Tested: LD6D45BD010-EU6DR6040509040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766893
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: LD6D45BD010-EU6DR6040509040-6LBDP1H
Description: 6 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: 5201.8 lumens
Efficiency: N/A
Efficacy: 134.4 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): 38.7
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

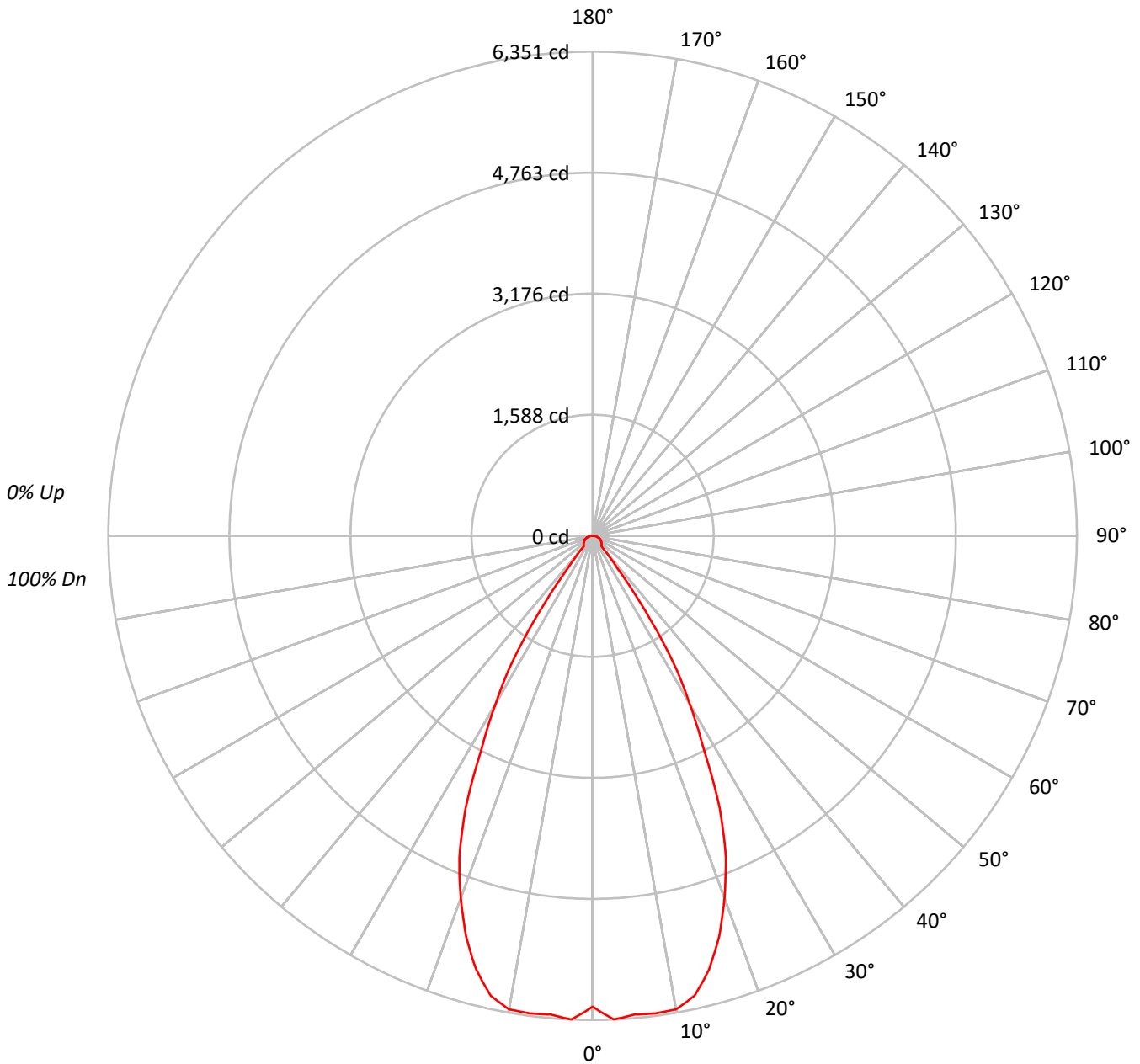


Downlight

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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°	674991
5°	691586
10°	699938
15°	666791
20°	587899
25°	475509
30°	321641
35°	161180
40°	26144
45°	25588
50°	26109
55°	26497
60°	27228
65°	27844
70°	28496
75°	28833
80°	27811
85°	23192

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.7	11.6
10°-20°	1630.5	31.3
20°-30°	1754.3	33.7
30°-40°	762.6	14.7
40°-50°	128.1	2.5
50°-60°	124.5	2.4
60°-70°	106.5	2.0
70°-80°	71.3	1.4
80°-90°	21.3	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°	3987.5	76.7
0°-40°	4750.1	91.3
0°-60°	5002.7	96.2
0°-90°	5201.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5201.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6178	
5°	6306	603
15°	5895	1631
25°	3944	1754
35°	1208	763
45°	166	128
55°	139	125
65°	108	107
75°	68	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6177.8
2.5°	6351.4
5°	6305.6
7.5°	6320.1
10°	6308.8
12.5°	6178.6
15°	5894.8
17.5°	5513.7
20°	5056.2
22.5°	4566.6
25°	3944.3
27.5°	3154.8
30°	2549.4
32.5°	1964.9
35°	1208.4
37.5°	517.0
40°	183.3
42.5°	168.8
45°	165.6
47.5°	160.0
50°	153.6
52.5°	146.3
55°	139.1
57.5°	131.9
60°	124.6
62.5°	116.6
65°	107.7
67.5°	98.9
70°	89.2
72.5°	78.8
75°	68.3
77.5°	56.3
80°	44.2
82.5°	31.4
85°	18.5
87.5°	6.4
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)