

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: P792592

Luminaire Tested: LER6D40BD010-EC6DR6040509030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792592
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: LER6D40BD010-EC6DR6040509030-6LBDP1H
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: 4489.4 lumens
Efficiency: N/A
Efficacy: 127.5 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): 35.2
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

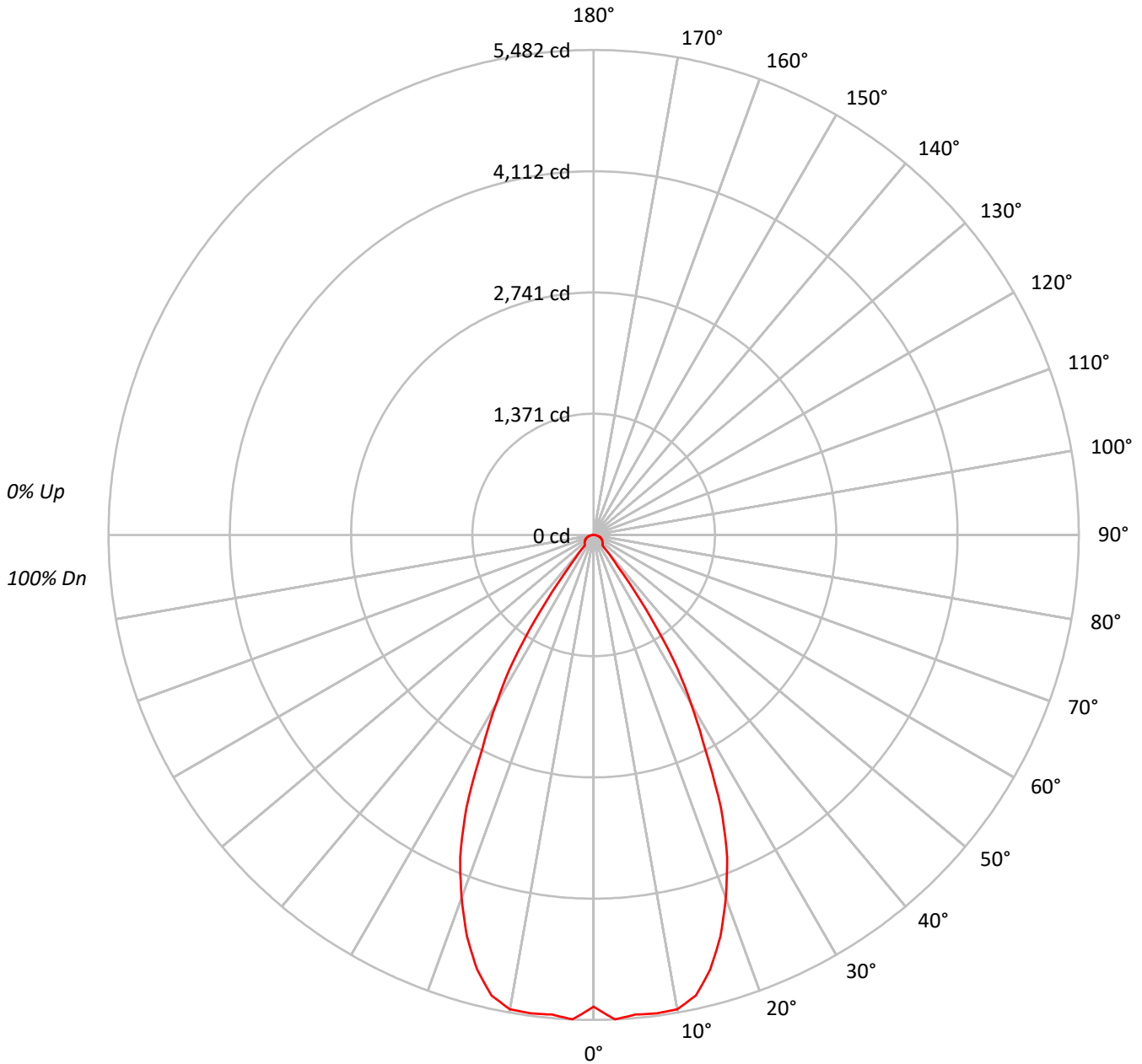


Downlight

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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																			
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°	582546
5°	596879
10°	604080
15°	575473
20°	507392
25°	410384
30°	277597
35°	139105
40°	22564
45°	22081
50°	22522
55°	22859
60°	23513
65°	24044
70°	24598
75°	24907
80°	24036
85°	20058

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24907 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.1	11.6
10°-20°	1407.2	31.3
20°-30°	1514.1	33.7
30°-40°	658.1	14.7
40°-50°	110.5	2.5
50°-60°	107.5	2.4
60°-70°	91.9	2.0
70°-80°	61.5	1.4
80°-90°	18.4	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°	3441.4	76.7
0°-40°	4099.5	91.3
0°-60°	4317.6	96.2
0°-90°	4489.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4489.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5332	
5°	5442	520
15°	5088	1407
25°	3404	1514
35°	1043	658
45°	143	111
55°	120	107
65°	93	92
75°	59	62
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5331.7
2.5°	5481.6
5°	5442.1
7.5°	5454.5
10°	5444.8
12.5°	5332.4
15°	5087.5
17.5°	4758.6
20°	4363.8
22.5°	3941.2
25°	3404.1
27.5°	2722.8
30°	2200.3
32.5°	1695.8
35°	1042.9
37.5°	446.2
40°	158.2
42.5°	145.7
45°	142.9
47.5°	138.1
50°	132.5
52.5°	126.3
55°	120.0
57.5°	113.8
60°	107.6
62.5°	100.6
65°	93.0
67.5°	85.3
70°	77.0
72.5°	68.0
75°	59.0
77.5°	48.6
80°	38.2
82.5°	27.1
85°	16.0
87.5°	5.6
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)