

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: P792712

Luminaire Tested: LER6D40BD010-EC6DR7040509050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR7040509050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4814.1 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

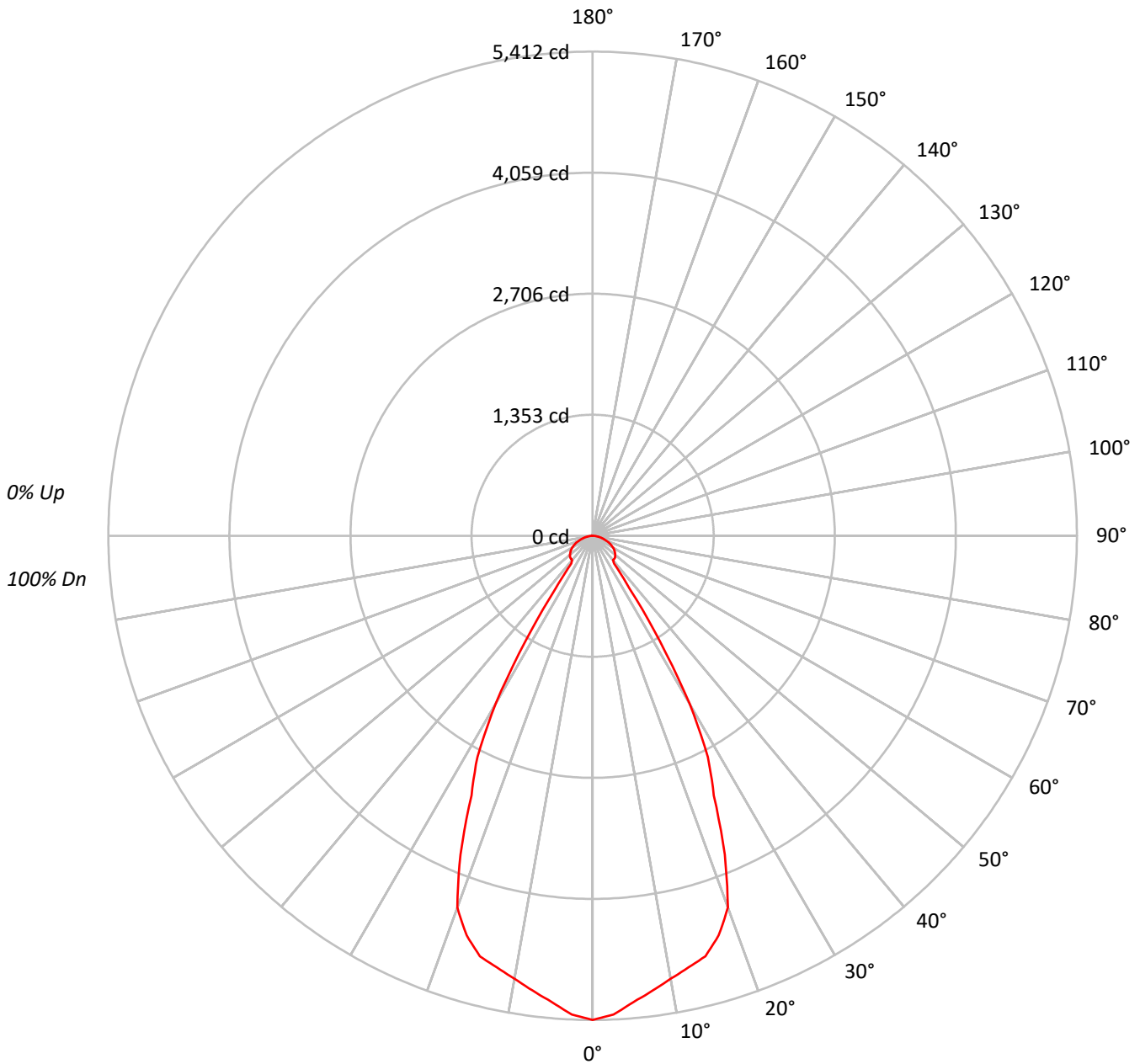


Downlight

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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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																											
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																											
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																											
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	591363
5°	573792
10°	557794
15°	550474
20°	514031
25°	386165
30°	272992
35°	96702
40°	50848
45°	54159
50°	56076
55°	57128
60°	57493
65°	56283
70°	53094
75°	49181
80°	43667
85°	35478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 57508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.4	10.3
10°-20°	1353.5	28.1
20°-30°	1490.7	31.0
30°-40°	569.6	11.8
40°-50°	268.9	5.6
50°-60°	267.4	5.6
60°-70°	214.1	4.4
70°-80°	123.0	2.6
80°-90°	33.4	0.7
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°	3337.7	69.3
0°-40°	3907.2	81.2
0°-60°	4443.6	92.3
0°-90°	4814.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4814.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5412	
5°	5232	493
15°	4866	1354
25°	3203	1491
35°	725	570
45°	350	269
55°	300	267
65°	218	214
75°	116	123
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5412.4
2.5°	5355.8
5°	5231.6
7.5°	5127.9
10°	5027.6
12.5°	4942.8
15°	4866.5
17.5°	4682.3
20°	4420.9
22.5°	3857.1
25°	3203.2
27.5°	2788.5
30°	2163.8
32.5°	1397.7
35°	725.0
37.5°	391.6
40°	356.5
42.5°	353.9
45°	350.5
47.5°	342.8
50°	329.9
52.5°	315.4
55°	299.9
57.5°	282.8
60°	263.1
62.5°	240.8
65°	217.7
67.5°	192.0
70°	166.2
72.5°	140.5
75°	116.5
77.5°	91.7
80°	69.4
82.5°	48.8
85°	28.3
87.5°	11.1
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)