

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: P792671

Luminaire Tested: LER6D40BD010-EC6DR7040509024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792671
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-EC6DR7040509024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2252.9 lumens
Efficiency: N/A
Efficacy: 64.0 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

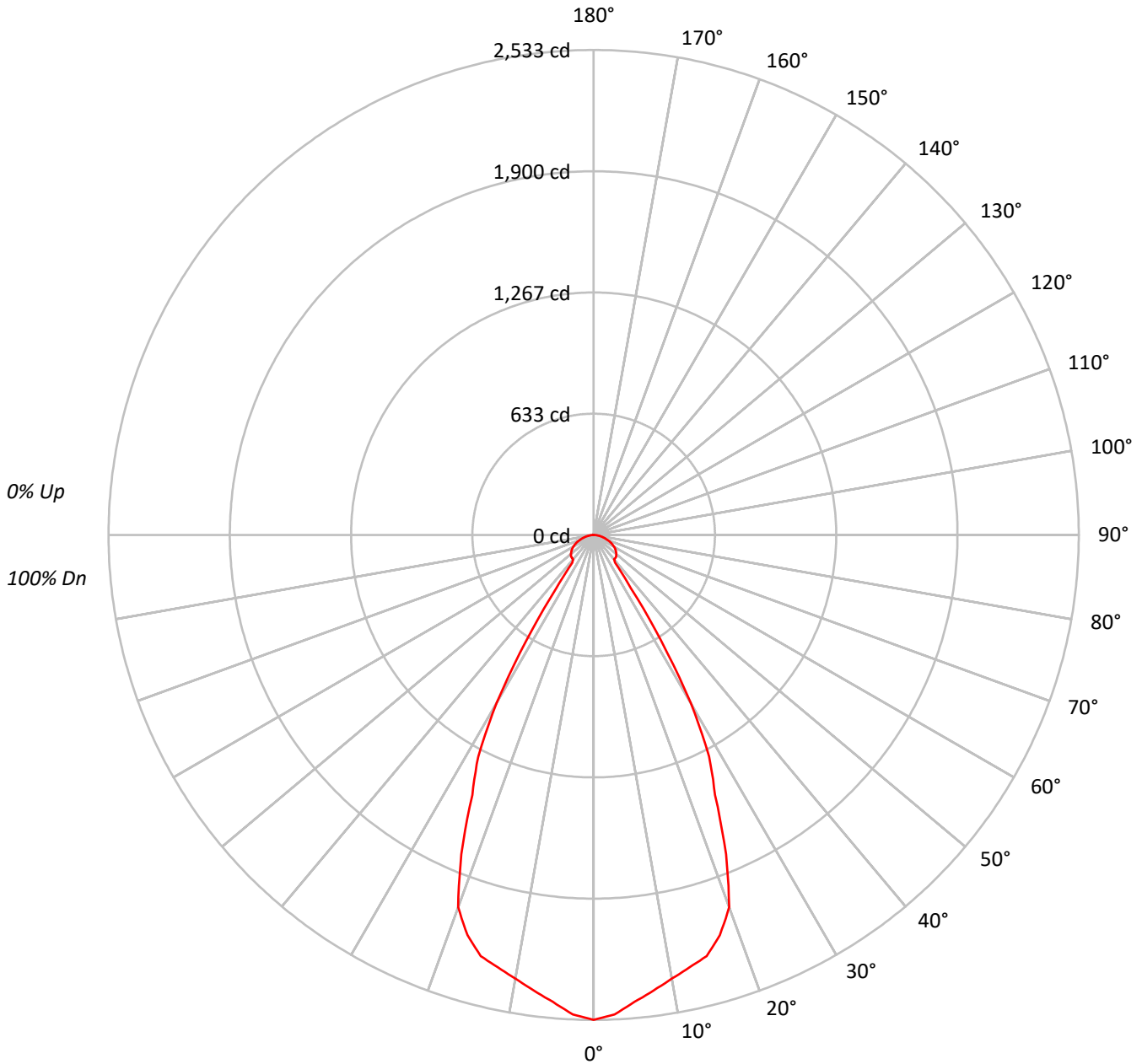


Downlight

TEST NUMBER: P792671

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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			
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°	276747
5°	268525
10°	261034
15°	257608
20°	240557
25°	180725
30°	127753
35°	45257
40°	23791
45°	25341
50°	26245
55°	26745
60°	26900
65°	26345
70°	24854
75°	23007
80°	20449
85°	16548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 26903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	10.3
10°-20°	633.4	28.1
20°-30°	697.6	31.0
30°-40°	266.6	11.8
40°-50°	125.8	5.6
50°-60°	125.1	5.6
60°-70°	100.2	4.4
70°-80°	57.6	2.6
80°-90°	15.7	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°	1562.0	69.3
0°-40°	1828.5	81.2
0°-60°	2079.5	92.3
0°-90°	2252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2252.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2533	
5°	2448	231
15°	2277	633
25°	1499	698
35°	339	267
45°	164	126
55°	140	125
65°	102	100
75°	54	58
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2532.9
2.5°	2506.4
5°	2448.3
7.5°	2399.8
10°	2352.8
12.5°	2313.1
15°	2277.4
17.5°	2191.2
20°	2068.9
22.5°	1805.0
25°	1499.1
27.5°	1305.0
30°	1012.6
32.5°	654.1
35°	339.3
37.5°	183.3
40°	166.8
42.5°	165.6
45°	164.0
47.5°	160.4
50°	154.4
52.5°	147.6
55°	140.4
57.5°	132.3
60°	123.1
62.5°	112.7
65°	101.9
67.5°	89.8
70°	77.8
72.5°	65.8
75°	54.5
77.5°	42.9
80°	32.5
82.5°	22.9
85°	13.2
87.5°	5.2
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)