

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: P792695

Luminaire Tested: LER6D40BD010-EC6DR7040509035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792695
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-EC6DR7040509035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.8 lumens
Efficiency: N/A
Efficacy: 75.5 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

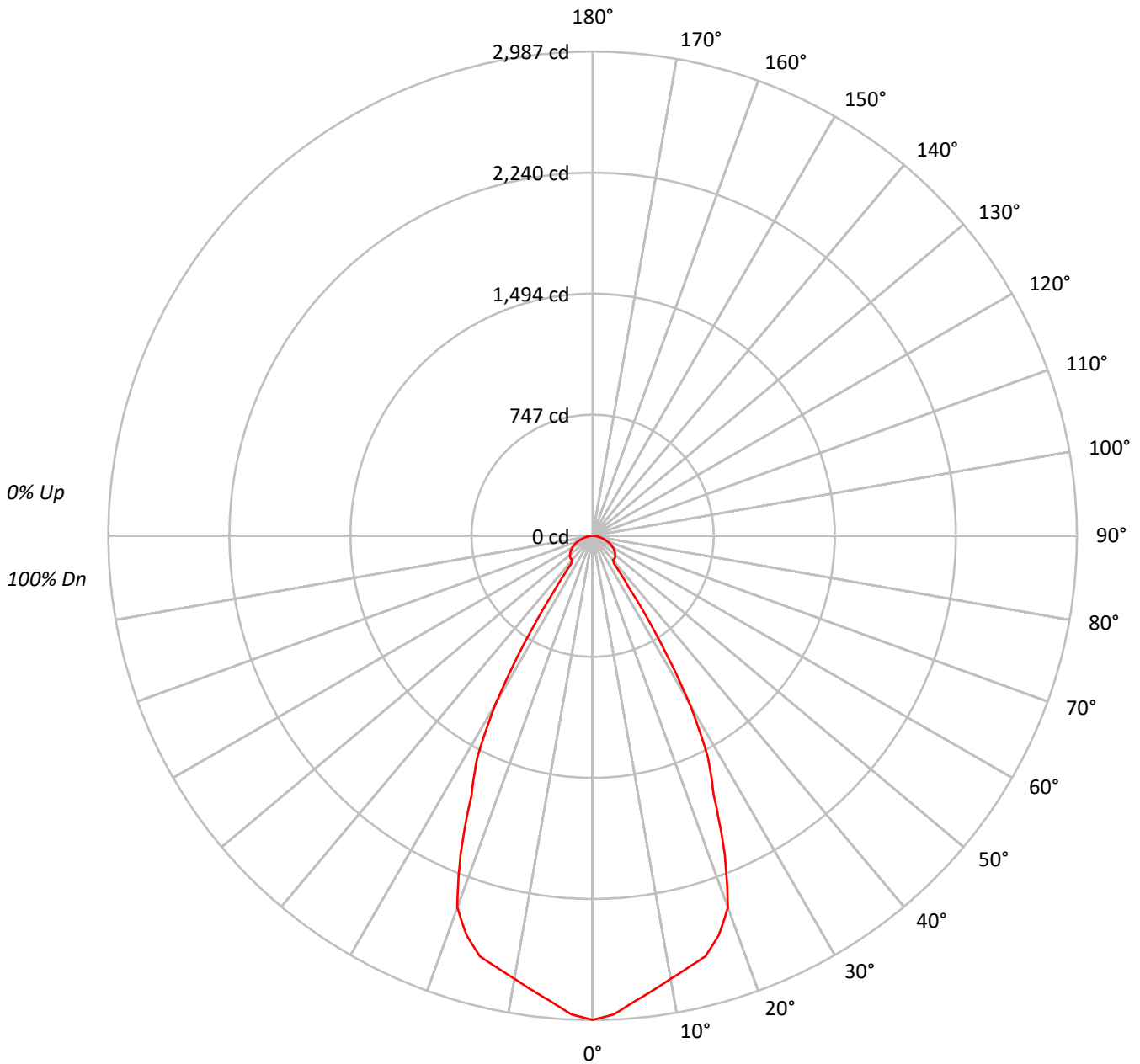


Downlight

TEST NUMBER: P792695

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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	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°	326373
5°	316674
10°	307843
15°	303804
20°	283694
25°	213119
30°	150664
35°	53366
40°	28055
45°	29884
50°	30953
55°	31526
60°	31729
65°	31050
70°	29294
75°	27144
80°	24099
85°	19557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 31743 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	10.3
10°-20°	747.0	28.1
20°-30°	822.7	31.0
30°-40°	314.3	11.8
40°-50°	148.4	5.6
50°-60°	147.6	5.6
60°-70°	118.1	4.4
70°-80°	67.9	2.6
80°-90°	18.5	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°	1842.0	69.3
0°-40°	2156.4	81.2
0°-60°	2452.3	92.3
0°-90°	2656.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2987	
5°	2887	272
15°	2686	747
25°	1768	823
35°	400	314
45°	193	148
55°	166	148
65°	120	118
75°	64	68
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2987.1
2.5°	2955.9
5°	2887.3
7.5°	2830.1
10°	2774.7
12.5°	2727.9
15°	2685.8
17.5°	2584.1
20°	2439.9
22.5°	2128.7
25°	1767.8
27.5°	1538.9
30°	1194.2
32.5°	771.4
35°	400.1
37.5°	216.1
40°	196.7
42.5°	195.3
45°	193.4
47.5°	189.2
50°	182.1
52.5°	174.0
55°	165.5
57.5°	156.1
60°	145.2
62.5°	132.9
65°	120.1
67.5°	105.9
70°	91.7
72.5°	77.6
75°	64.3
77.5°	50.6
80°	38.3
82.5°	27.0
85°	15.6
87.5°	6.1
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)