

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: P792682

Luminaire Tested: LER6D40BD010-EC6DR7040509027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792682
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-EC6DR7040509027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3426.1 lumens
Efficiency: N/A
Efficacy: 97.3 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

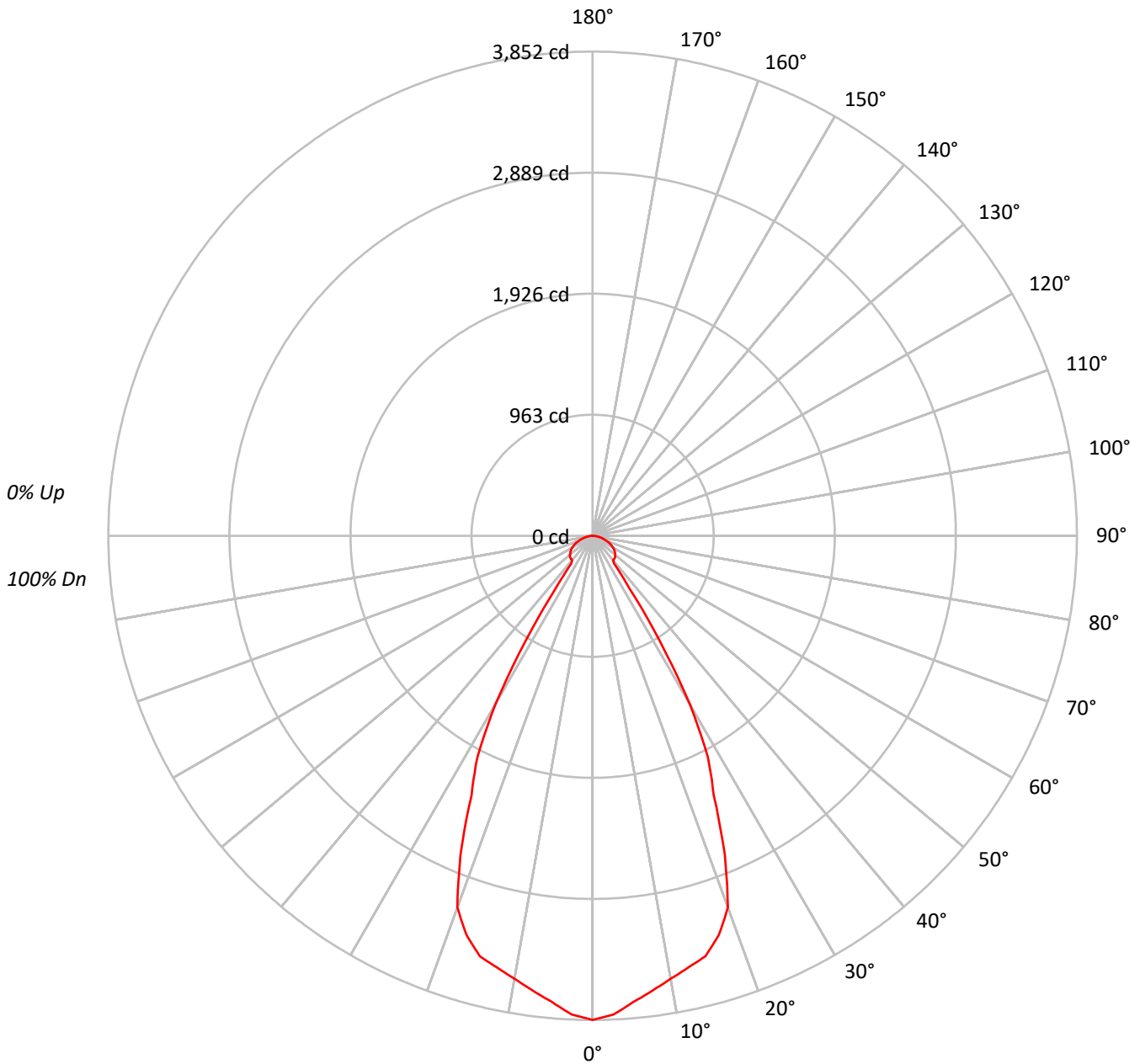


Downlight

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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	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°	420861
5°	408354
10°	396977
15°	391763
20°	365829
25°	274831
30°	194279
35°	68812
40°	36185
45°	38537
50°	39911
55°	40670
60°	40907
65°	40047
70°	37792
75°	34996
80°	31083
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 40935 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.2	10.3
10°-20°	963.3	28.1
20°-30°	1060.9	31.0
30°-40°	405.3	11.8
40°-50°	191.4	5.6
50°-60°	190.3	5.6
60°-70°	152.3	4.4
70°-80°	87.6	2.6
80°-90°	23.8	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°	2375.4	69.3
0°-40°	2780.7	81.2
0°-60°	3162.4	92.3
0°-90°	3426.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3852	
5°	3723	351
15°	3463	963
25°	2280	1061
35°	516	405
45°	249	191
55°	214	190
65°	155	152
75°	83	88
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3851.9
2.5°	3811.7
5°	3723.2
7.5°	3649.4
10°	3578.1
12.5°	3517.7
15°	3463.4
17.5°	3332.3
20°	3146.3
22.5°	2745.0
25°	2279.7
27.5°	1984.5
30°	1539.9
32.5°	994.7
35°	515.9
37.5°	278.7
40°	253.7
42.5°	251.9
45°	249.4
47.5°	243.9
50°	234.8
52.5°	224.4
55°	213.5
57.5°	201.3
60°	187.2
62.5°	171.4
65°	154.9
67.5°	136.6
70°	118.3
72.5°	100.0
75°	82.9
77.5°	65.3
80°	49.4
82.5°	34.8
85°	20.1
87.5°	7.9
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)