

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: P792594

Luminaire Tested: LER6D40BD010-EC6DR6040509030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792594
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-EC6DR6040509030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4065.7 lumens
Efficiency: N/A
Efficacy: 115.5 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

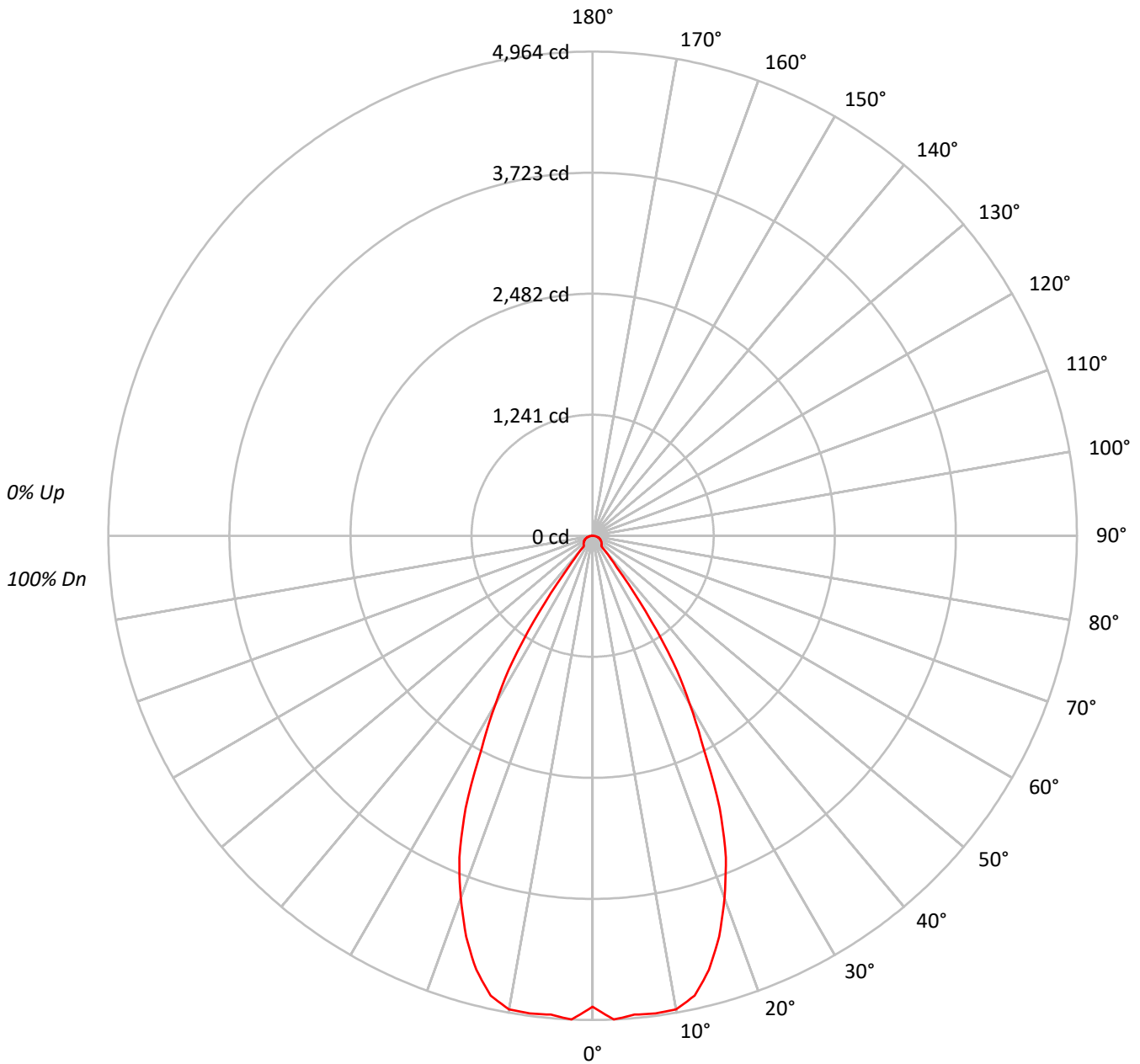


Downlight

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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°	527566
5°	540538
10°	547065
15°	521155
20°	459499
25°	371650
30°	251393
35°	125980
40°	20439
45°	19995
50°	20398
55°	20706
60°	21284
65°	21768
70°	22298
75°	22543
80°	21771
85°	18178

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 22543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.0	11.6
10°-20°	1274.4	31.3
20°-30°	1371.2	33.7
30°-40°	596.0	14.7
40°-50°	100.1	2.5
50°-60°	97.4	2.4
60°-70°	83.3	2.0
70°-80°	55.7	1.4
80°-90°	16.7	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°	3116.6	76.7
0°-40°	3712.6	91.3
0°-60°	3910.0	96.2
0°-90°	4065.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4065.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4828	
5°	4928	471
15°	4607	1274
25°	3083	1371
35°	944	596
45°	129	100
55°	109	97
65°	84	83
75°	53	56
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4828.5
2.5°	4964.2
5°	4928.4
7.5°	4939.7
10°	4930.9
12.5°	4829.1
15°	4607.3
17.5°	4309.4
20°	3951.9
22.5°	3569.2
25°	3082.8
27.5°	2465.8
30°	1992.6
32.5°	1535.8
35°	944.5
37.5°	404.0
40°	143.3
42.5°	132.0
45°	129.4
47.5°	125.0
50°	120.0
52.5°	114.4
55°	108.7
57.5°	103.1
60°	97.4
62.5°	91.1
65°	84.2
67.5°	77.3
70°	69.8
72.5°	61.6
75°	53.4
77.5°	44.0
80°	34.6
82.5°	24.5
85°	14.5
87.5°	5.0
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)