

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: P792591

Luminaire Tested: LER6D40BD010-EC6DR6040509030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792591
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-EC6DR6040509030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3535.3 lumens
Efficiency: N/A
Efficacy: 100.4 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

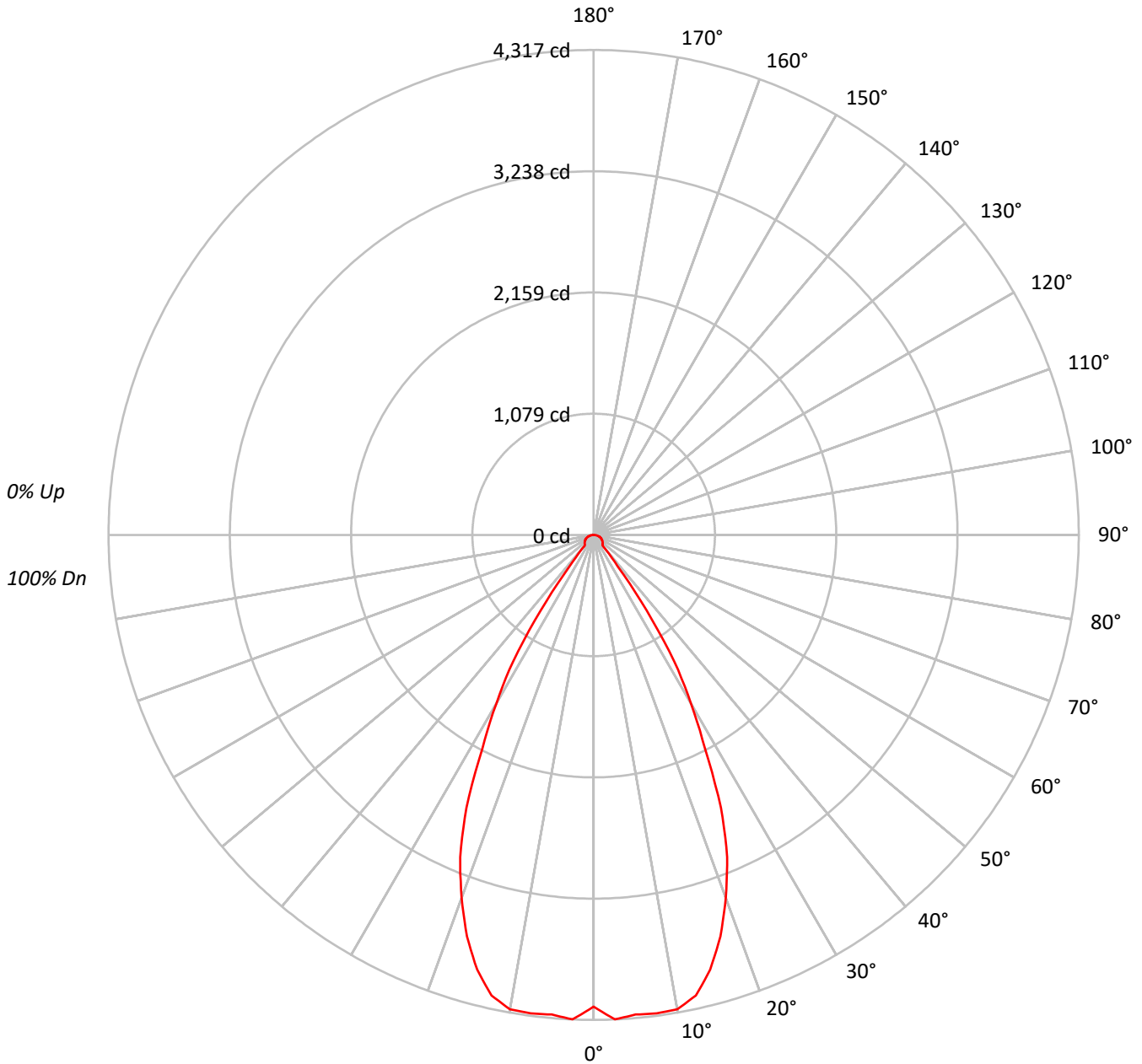


Downlight

TEST NUMBER: P792591

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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°	458742
5°	470026
10°	475704
15°	453173
20°	399560
25°	323174
30°	218603
35°	109547
40°	17772
45°	17399
50°	17746
55°	18001
60°	18509
65°	18925
70°	19391
75°	19588
80°	18939
85°	15796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 19588 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.6	11.6
10°-20°	1108.2	31.3
20°-30°	1192.3	33.7
30°-40°	518.3	14.7
40°-50°	87.0	2.5
50°-60°	84.6	2.4
60°-70°	72.4	2.0
70°-80°	48.4	1.4
80°-90°	14.5	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°	2710.0	76.7
0°-40°	3228.3	91.3
0°-60°	3400.0	96.2
0°-90°	3535.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4199	
5°	4286	410
15°	4006	1108
25°	2681	1192
35°	821	518
45°	113	87
55°	94	85
65°	73	72
75°	46	48
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4198.6
2.5°	4316.6
5°	4285.5
7.5°	4295.3
10°	4287.7
12.5°	4199.1
15°	4006.3
17.5°	3747.3
20°	3436.4
22.5°	3103.6
25°	2680.7
27.5°	2144.1
30°	1732.7
32.5°	1335.4
35°	821.3
37.5°	351.3
40°	124.6
42.5°	114.7
45°	112.6
47.5°	108.7
50°	104.4
52.5°	99.4
55°	94.5
57.5°	89.6
60°	84.7
62.5°	79.2
65°	73.2
67.5°	67.2
70°	60.7
72.5°	53.5
75°	46.4
77.5°	38.2
80°	30.1
82.5°	21.3
85°	12.6
87.5°	4.4
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)