

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: P792689

Luminaire Tested: LER6D40BD010-EC6DR7040509030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792689
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-EC6DR7040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4744.8 lumens
Efficiency: N/A
Efficacy: 134.8 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

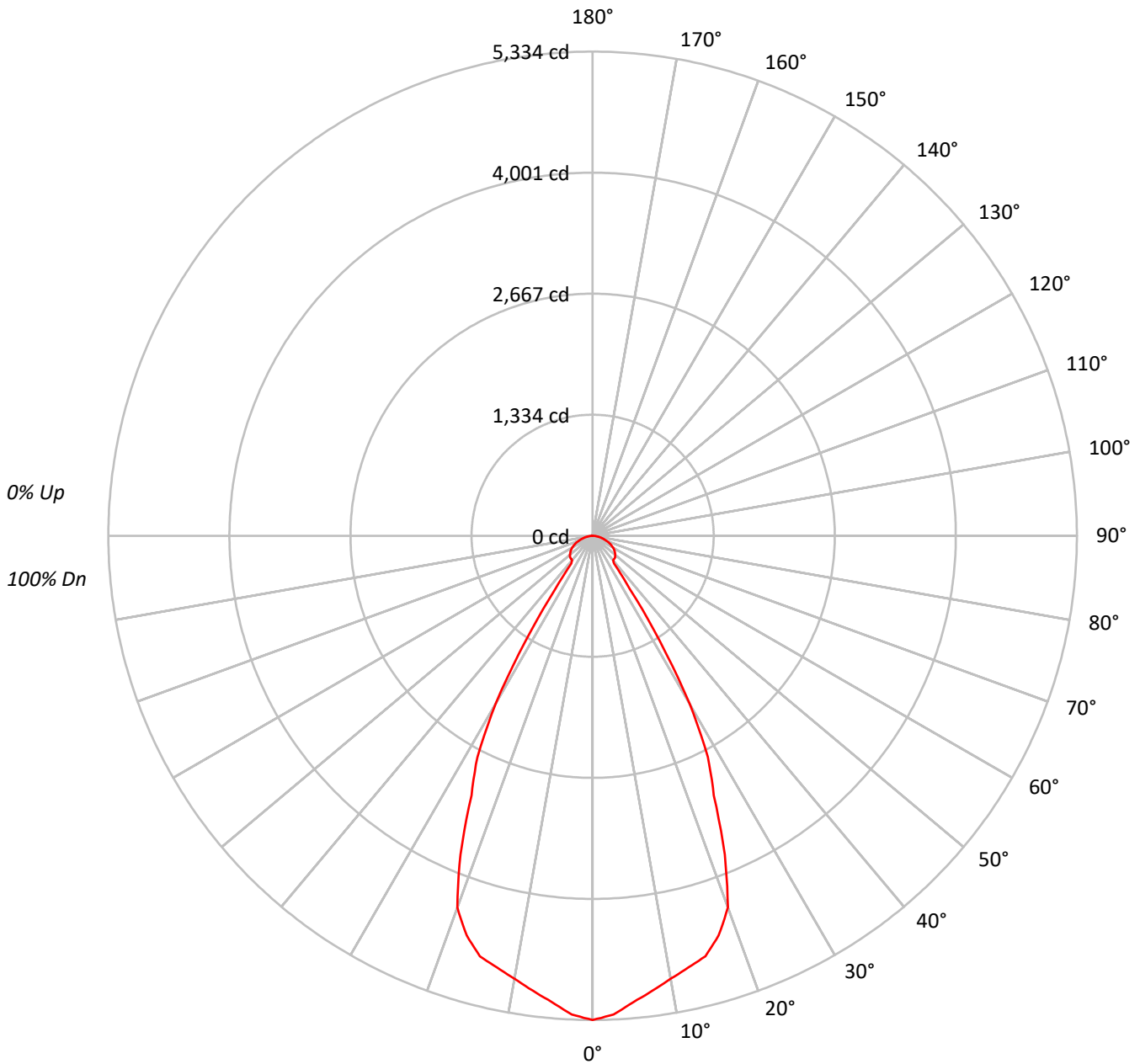


Downlight

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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°	582851
5°	565533
10°	549772
15°	542556
20°	506636
25°	380607
30°	269056
35°	95302
40°	50120
45°	53371
50°	55277
55°	56309
60°	56663
65°	55455
70°	52359
75°	48505
80°	43038
85°	34976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 56674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.3	10.3
10°-20°	1334.0	28.1
20°-30°	1469.2	31.0
30°-40°	561.4	11.8
40°-50°	265.0	5.6
50°-60°	263.5	5.6
60°-70°	211.0	4.4
70°-80°	121.3	2.6
80°-90°	33.0	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°	3289.6	69.3
0°-40°	3851.0	81.2
0°-60°	4379.5	92.3
0°-90°	4744.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4744.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5334	
5°	5156	486
15°	4796	1334
25°	3157	1469
35°	714	561
45°	345	265
55°	296	264
65°	214	211
75°	115	121
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5334.5
2.5°	5278.8
5°	5156.3
7.5°	5054.1
10°	4955.3
12.5°	4871.7
15°	4796.5
17.5°	4614.9
20°	4357.3
22.5°	3801.5
25°	3157.1
27.5°	2748.3
30°	2132.6
32.5°	1377.5
35°	714.5
37.5°	386.0
40°	351.4
42.5°	348.8
45°	345.4
47.5°	337.8
50°	325.2
52.5°	310.8
55°	295.6
57.5°	278.7
60°	259.3
62.5°	237.3
65°	214.5
67.5°	189.2
70°	163.9
72.5°	138.5
75°	114.9
77.5°	90.4
80°	68.4
82.5°	48.1
85°	27.9
87.5°	11.0
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)