

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: P792607

Luminaire Tested: LER6D40BD010-EC6DR6040509040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792607
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-EC6DR6040509040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3739.6 lumens
Efficiency: N/A
Efficacy: 106.2 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

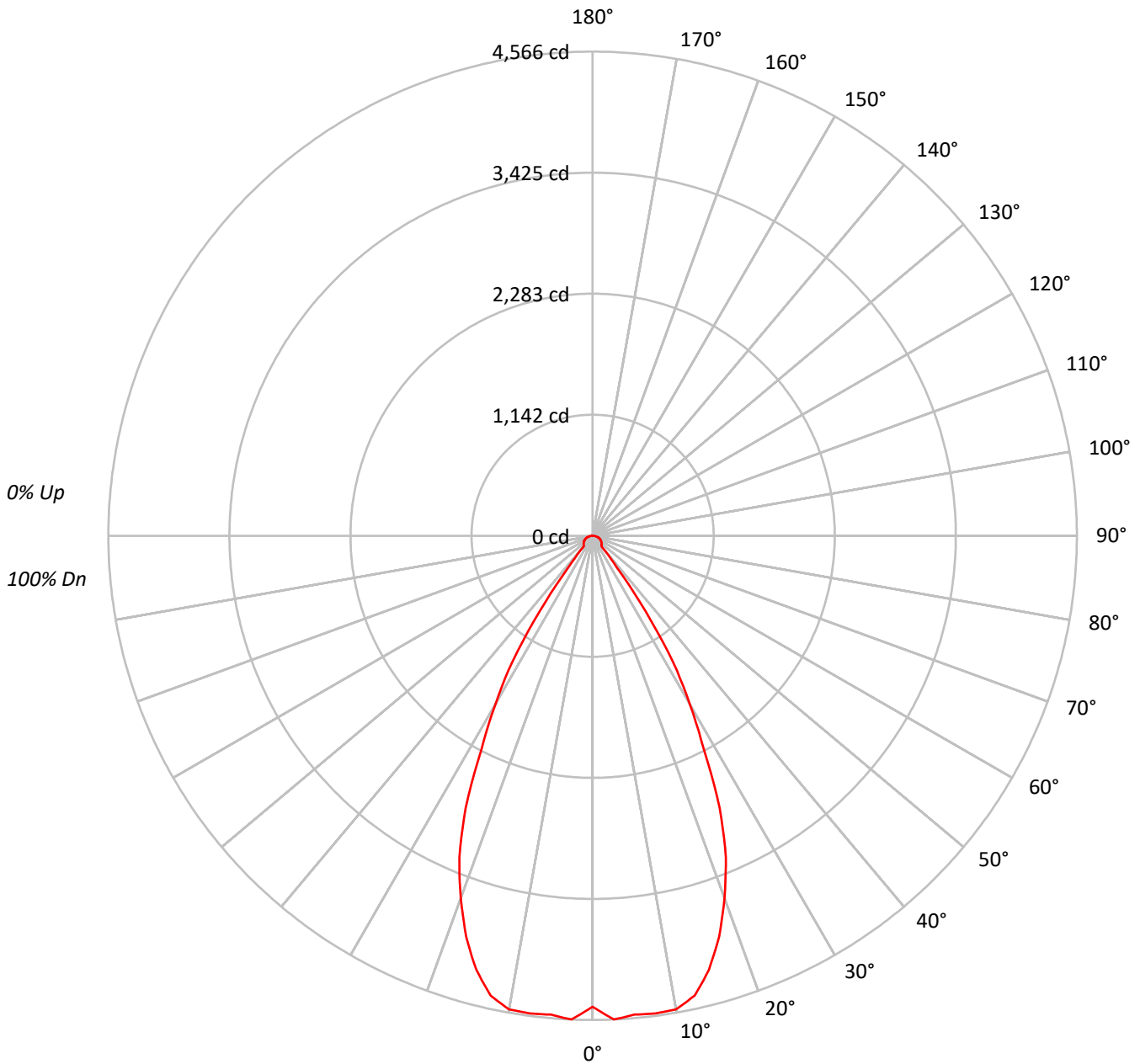


Downlight

TEST NUMBER: P792607

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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°	485249
5°	497182
10°	503186
15°	479348
20°	422640
25°	341848
30°	231232
35°	115870
40°	18799
45°	18403
50°	18766
55°	19049
60°	19580
65°	20010
70°	20509
75°	20728
80°	20009
85°	16673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 20728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.2	11.6
10°-20°	1172.2	31.3
20°-30°	1261.2	33.7
30°-40°	548.2	14.7
40°-50°	92.1	2.5
50°-60°	89.5	2.4
60°-70°	76.6	2.0
70°-80°	51.2	1.4
80°-90°	15.3	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°	2866.6	76.7
0°-40°	3414.8	91.3
0°-60°	3596.4	96.2
0°-90°	3739.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3739.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4441	
5°	4533	433
15°	4238	1172
25°	2836	1261
35°	869	548
45°	119	92
55°	100	90
65°	77	77
75°	49	51
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4441.2
2.5°	4566.0
5°	4533.1
7.5°	4543.5
10°	4535.4
12.5°	4441.8
15°	4237.7
17.5°	3963.8
20°	3634.9
22.5°	3282.9
25°	2835.6
27.5°	2268.0
30°	1832.8
32.5°	1412.6
35°	868.7
37.5°	371.6
40°	131.8
42.5°	121.4
45°	119.1
47.5°	115.0
50°	110.4
52.5°	105.2
55°	100.0
57.5°	94.8
60°	89.6
62.5°	83.8
65°	77.4
67.5°	71.1
70°	64.2
72.5°	56.6
75°	49.1
77.5°	40.5
80°	31.8
82.5°	22.5
85°	13.3
87.5°	4.6
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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Scaled Data Report





— 0°-180°

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(END OF REPORT)