

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: P792409

Luminaire Tested: LER6D40BD010-EC6DR4040509035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR4040509035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4958.7 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

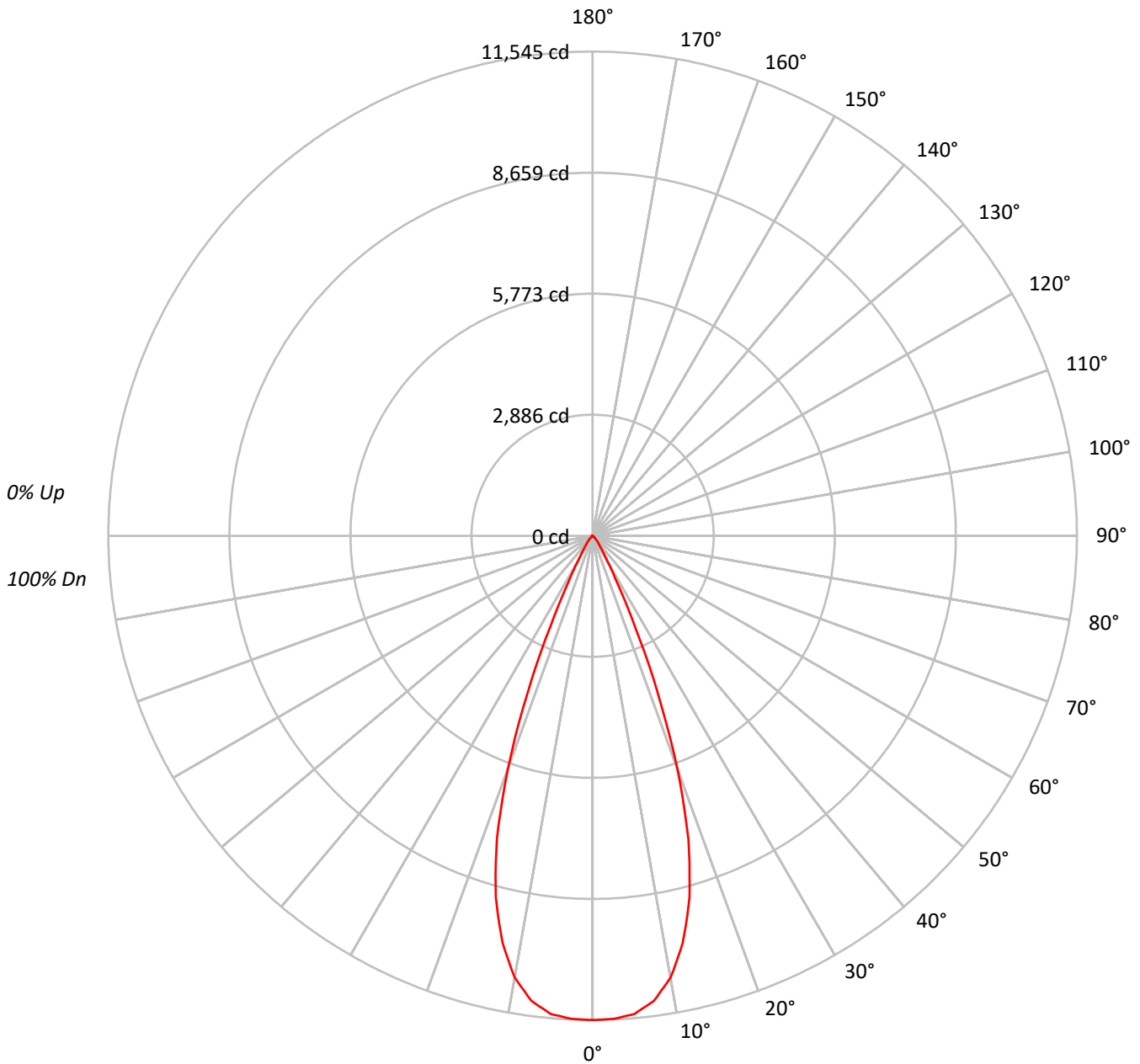


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1261448
5°	1255310
10°	1186548
15°	1008715
20°	687510
25°	286863
30°	90194
35°	41922
40°	23177
45°	10631
50°	5167
55°	2819
60°	1464
65°	517
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10631 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1068.7	21.6
10°-20°	2394.2	48.3
20°-30°	1198.5	24.2
30°-40°	219.7	4.4
40°-50°	60.6	1.2
50°-60°	14.2	0.3
60°-70°	2.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	4661.4	94.0
0°-40°	4881.1	98.4
0°-60°	4955.9	99.9
0°-90°	4958.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4958.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11545	
5°	11445	###
15°	8918	2394
25°	2380	1198
35°	314	220
45°	69	61
55°	15	14
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11545.3
2.5°	11528.4
5°	11445.4
7.5°	11181.1
10°	10694.8
12.5°	9936.7
15°	8917.6
17.5°	7592.3
20°	5912.9
22.5°	4031.2
25°	2379.5
27.5°	1257.9
30°	714.9
32.5°	462.0
35°	314.3
37.5°	224.6
40°	162.5
42.5°	111.3
45°	68.8
47.5°	43.8
50°	30.4
52.5°	21.6
55°	14.8
57.5°	9.4
60°	6.7
62.5°	4.0
65°	2.0
67.5°	1.3
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)