

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P792584

Luminaire Tested: LER6D40BD010-EC6DR6040509027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792584
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-EC6DR6040509027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4357.7 lumens
Efficiency: N/A
Efficacy: 123.8 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

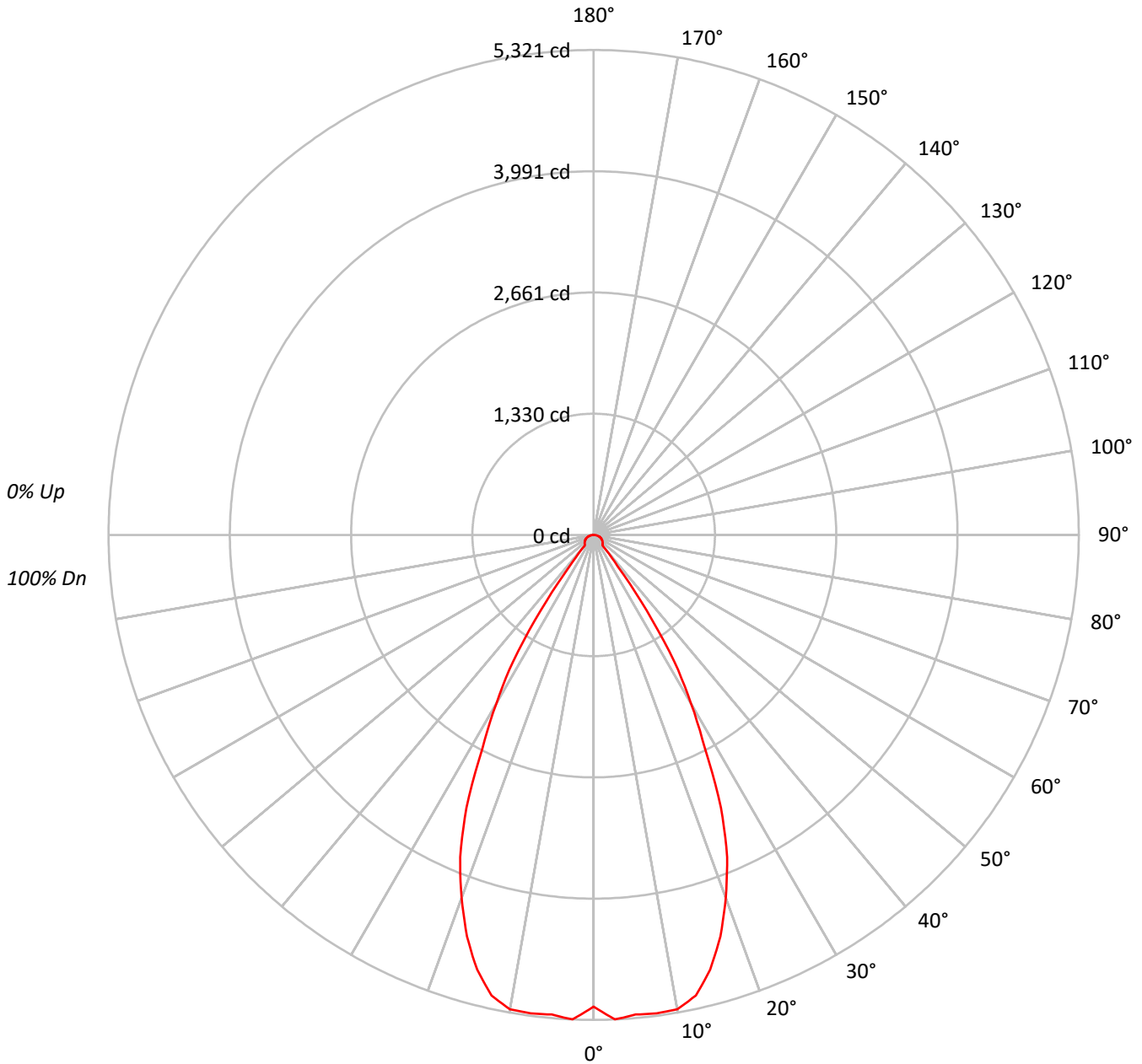


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	565457
5°	579364
10°	586362
15°	558596
20°	492509
25°	398353
30°	269447
35°	135023
40°	21908
45°	21432
50°	21859
55°	22192
60°	22814
65°	23346
70°	23895
75°	24147
80°	23281
85°	19431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24147 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.9	11.6
10°-20°	1366.0	31.3
20°-30°	1469.7	33.7
30°-40°	638.8	14.7
40°-50°	107.3	2.5
50°-60°	104.3	2.4
60°-70°	89.2	2.0
70°-80°	59.7	1.4
80°-90°	17.9	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°	3340.5	76.7
0°-40°	3979.3	91.3
0°-60°	4190.9	96.2
0°-90°	4357.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4357.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5175	
5°	5282	505
15°	4938	1366
25°	3304	1470
35°	1012	639
45°	139	107
55°	116	104
65°	90	89
75°	57	60
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5175.3
2.5°	5320.8
5°	5282.4
7.5°	5294.5
10°	5285.1
12.5°	5176.0
15°	4938.3
17.5°	4619.0
20°	4235.8
22.5°	3825.6
25°	3304.3
27.5°	2642.9
30°	2135.7
32.5°	1646.1
35°	1012.3
37.5°	433.1
40°	153.6
42.5°	141.4
45°	138.7
47.5°	134.0
50°	128.6
52.5°	122.6
55°	116.5
57.5°	110.5
60°	104.4
62.5°	97.7
65°	90.3
67.5°	82.8
70°	74.8
72.5°	66.0
75°	57.2
77.5°	47.1
80°	37.0
82.5°	26.3
85°	15.5
87.5°	5.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)