

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: P792659

Luminaire Tested: LER6D40BD010-EC6DR6540509040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR6540509040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4055.3 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

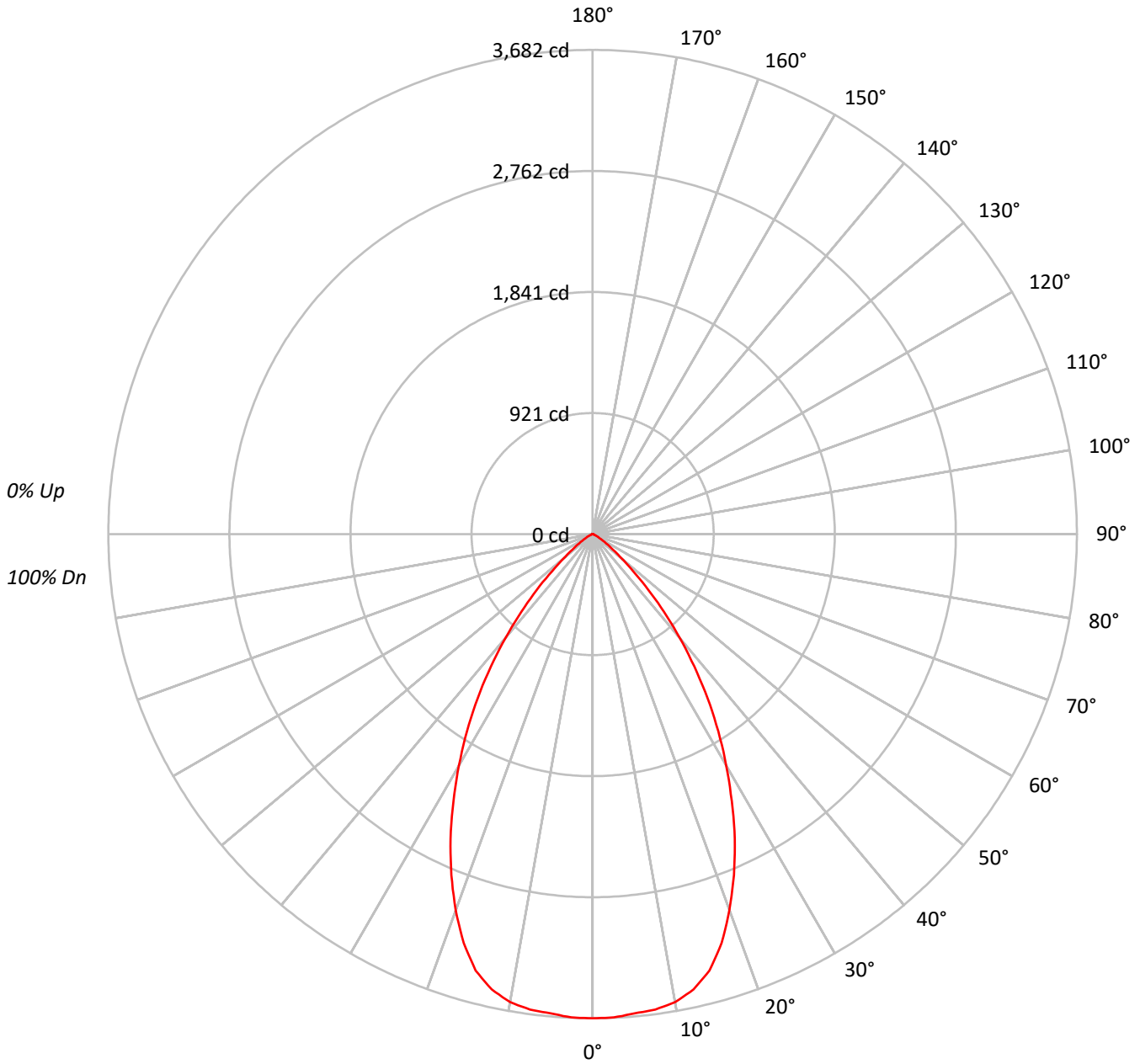
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215049
5°	214504
10°	214322
15°	207712
20°	189098
25°	164790
30°	137056
35°	108601
40°	78383
45°	49516
50°	25813
55°	13716
60°	7207
65°	3966
70°	1656
75°	1828
80°	1278
85°	1072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 49516 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.2	8.6
10°-20°	953.5	23.5
20°-30°	1165.5	28.7
30°-40°	945.7	23.3
40°-50°	471.3	11.6
50°-60°	131.4	3.2
60°-70°	29.9	0.7
70°-80°	7.8	0.2
80°-90°	2.0	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°	2467.3	60.8
0°-40°	3413.0	84.2
0°-60°	4015.7	99.0
0°-90°	4055.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4055.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3682	
5°	3659	348
15°	3435	954
25°	2557	1166
35°	1523	946
45°	600	471
55°	135	131
65°	29	30
75°	8	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3682.1
2.5°	3679.4
5°	3658.8
7.5°	3646.9
10°	3613.9
12.5°	3546.8
15°	3435.3
17.5°	3261.1
20°	3042.5
22.5°	2806.6
25°	2557.2
27.5°	2290.4
30°	2032.3
32.5°	1777.5
35°	1523.2
37.5°	1269.4
40°	1028.1
42.5°	801.9
45°	599.5
47.5°	417.7
50°	284.1
52.5°	195.9
55°	134.7
57.5°	90.9
60°	61.7
62.5°	42.7
65°	28.7
67.5°	14.6
70°	9.7
72.5°	9.2
75°	8.1
77.5°	5.4
80°	3.8
82.5°	2.7
85°	1.6
87.5°	1.1
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)