

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: P792618

Luminaire Tested: LER6D40BD010-EC6DR6040509050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792618
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-EC6DR6040509050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4331.3 lumens
Efficiency: N/A
Efficacy: 123.0 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

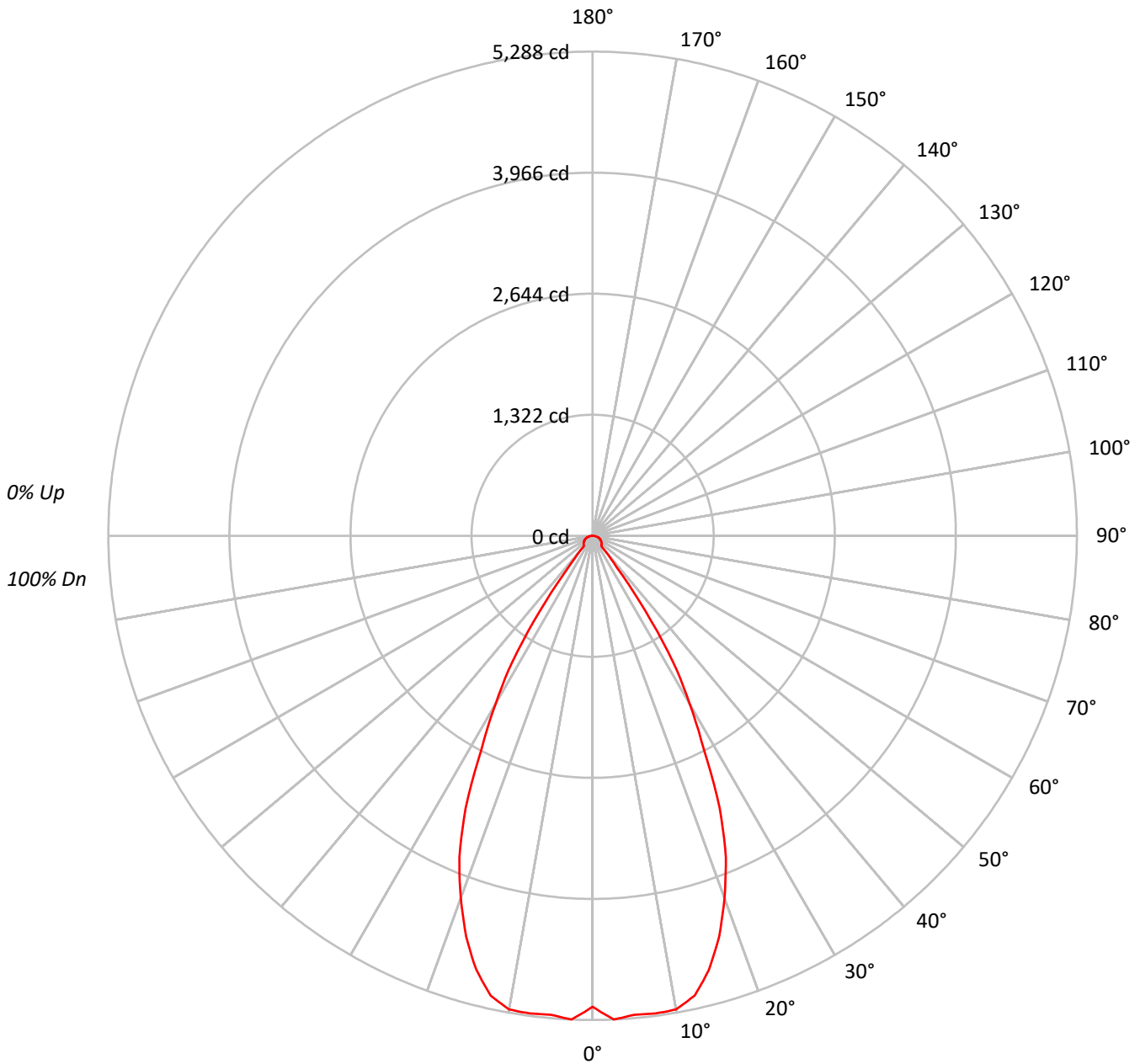
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	562026
5°	575854
10°	582801
15°	555203
20°	489520
25°	395930
30°	267820
35°	134210
40°	21765
45°	21308
50°	21740
55°	22059
60°	22683
65°	23190
70°	23736
75°	24020
80°	23155
85°	19306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24020 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.8	11.6
10°-20°	1357.7	31.3
20°-30°	1460.7	33.7
30°-40°	634.9	14.7
40°-50°	106.6	2.5
50°-60°	103.7	2.4
60°-70°	88.7	2.0
70°-80°	59.3	1.4
80°-90°	17.8	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°	3320.2	76.7
0°-40°	3955.1	91.3
0°-60°	4165.5	96.2
0°-90°	4331.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4331.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5144	
5°	5250	502
15°	4908	1358
25°	3284	1461
35°	1006	635
45°	138	107
55°	116	104
65°	90	89
75°	57	59
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5143.9
2.5°	5288.5
5°	5250.4
7.5°	5262.4
10°	5253.0
12.5°	5144.6
15°	4908.3
17.5°	4591.0
20°	4210.1
22.5°	3802.4
25°	3284.2
27.5°	2626.9
30°	2122.8
32.5°	1636.1
35°	1006.2
37.5°	430.4
40°	152.6
42.5°	140.6
45°	137.9
47.5°	133.2
50°	127.9
52.5°	121.8
55°	115.8
57.5°	109.8
60°	103.8
62.5°	97.1
65°	89.7
67.5°	82.3
70°	74.3
72.5°	65.6
75°	56.9
77.5°	46.9
80°	36.8
82.5°	26.1
85°	15.4
87.5°	5.4
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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