

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: P794977

Luminaire Tested: LER6D65D010-EC6DR6055659024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794977
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: LER6D65D010-EC6DR6055659024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7144.9 lumens
Efficiency: N/A
Efficacy: 98.1 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

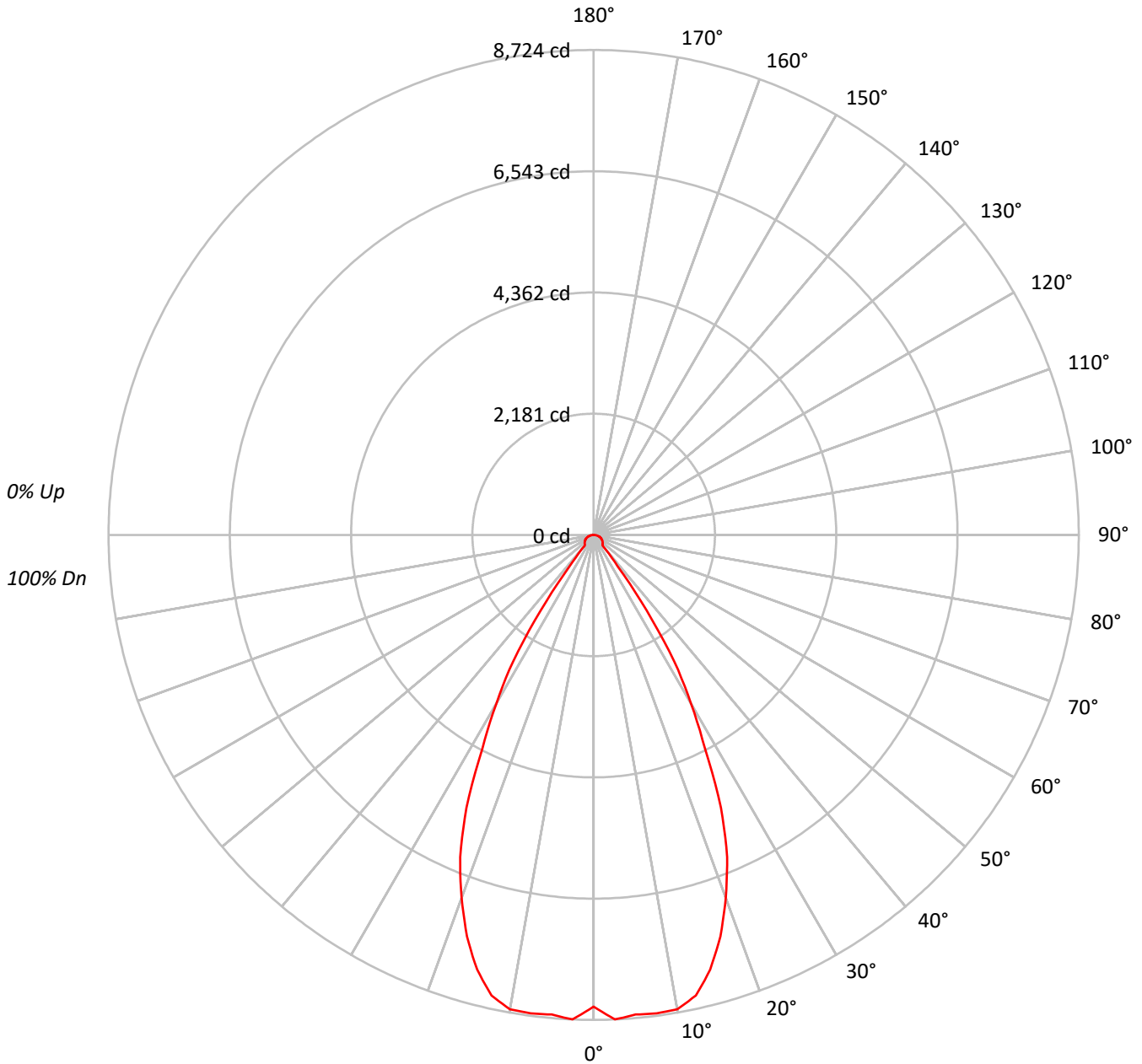
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	927132
5°	949933
10°	961405
15°	915870
20°	807515
25°	653136
30°	441799
35°	221389
40°	35914
45°	35153
50°	35849
55°	36384
60°	37411
65°	38263
70°	39165
75°	39640
80°	38193
85°	31842

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 39640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.8	11.6
10°-20°	2239.6	31.3
20°-30°	2409.6	33.7
30°-40°	1047.4	14.7
40°-50°	175.9	2.5
50°-60°	171.1	2.4
60°-70°	146.3	2.0
70°-80°	97.9	1.4
80°-90°	29.3	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°	5477.0	76.7
0°-40°	6524.5	91.3
0°-60°	6871.5	96.2
0°-90°	7144.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8486	
5°	8661	828
15°	8097	2240
25°	5418	2410
35°	1660	1047
45°	228	176
55°	191	171
65°	148	146
75°	94	98
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8485.5
2.5°	8724.0
5°	8661.1
7.5°	8681.0
10°	8665.5
12.5°	8486.6
15°	8096.8
17.5°	7573.3
20°	6945.0
22.5°	6272.5
25°	5417.7
27.5°	4333.3
30°	3501.8
32.5°	2698.9
35°	1659.8
37.5°	710.1
40°	251.8
42.5°	231.9
45°	227.5
47.5°	219.8
50°	210.9
52.5°	201.0
55°	191.0
57.5°	181.1
60°	171.2
62.5°	160.1
65°	148.0
67.5°	135.8
70°	122.6
72.5°	108.2
75°	93.9
77.5°	77.3
80°	60.7
82.5°	43.1
85°	25.4
87.5°	8.8
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)