

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: P794993

Luminaire Tested: LER6D65D010-EC6DR6055659030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794993
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-EC6DR6055659030-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8338.3 lumens
Efficiency: N/A
Efficacy: 114.5 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

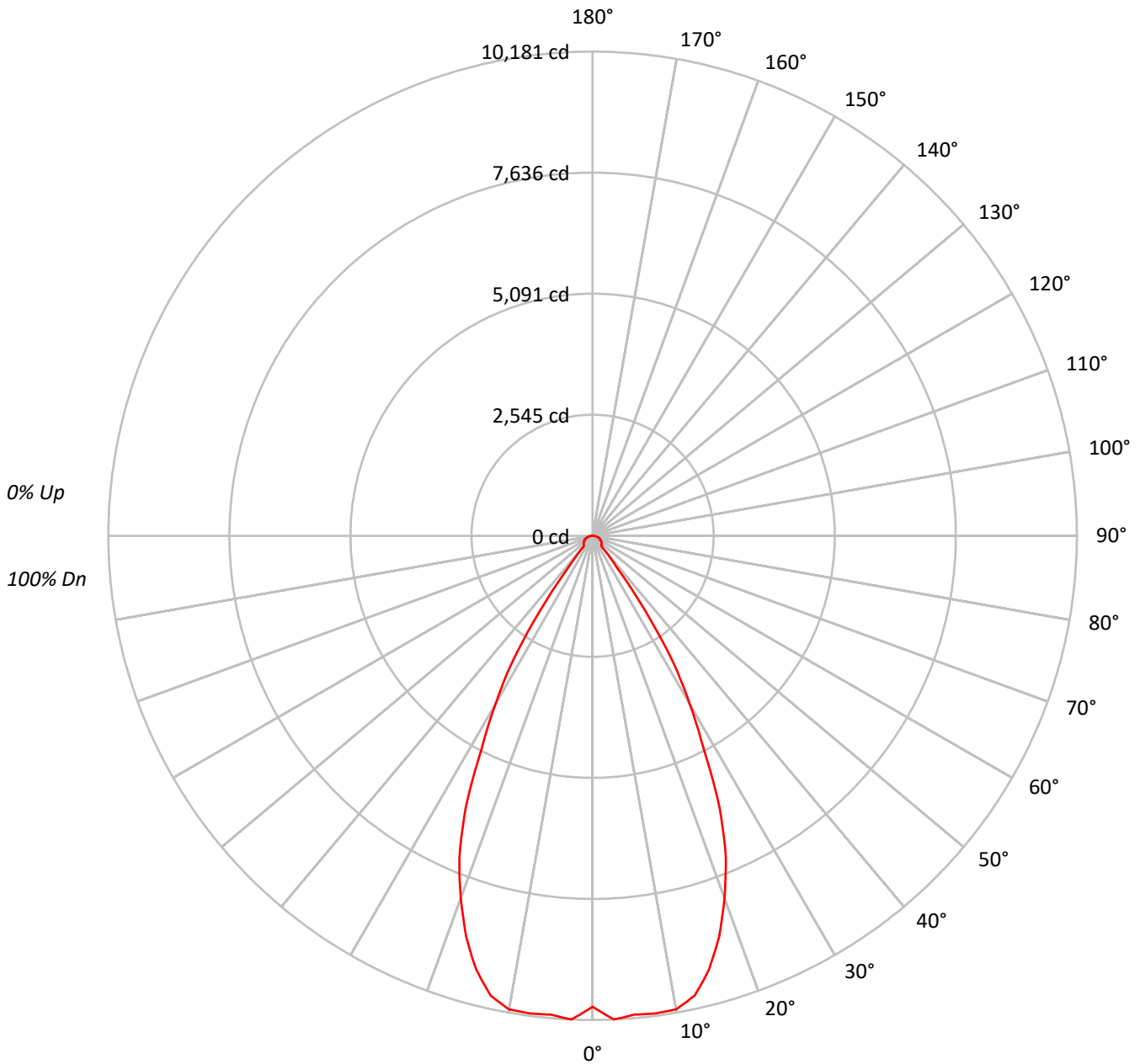
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1081976
5°	1108582
10°	1121966
15°	1068824
20°	942380
25°	762227
30°	515580
35°	258362
40°	41905
45°	41025
50°	41832
55°	42479
60°	43661
65°	44649
70°	45714
75°	46226
80°	44611
85°	37107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.0	11.6
10°-20°	2613.7	31.3
20°-30°	2812.1	33.7
30°-40°	1222.4	14.7
40°-50°	205.3	2.5
50°-60°	199.7	2.4
60°-70°	170.8	2.0
70°-80°	114.2	1.4
80°-90°	34.2	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°	6391.8	76.7
0°-40°	7614.1	91.3
0°-60°	8019.1	96.2
0°-90°	8338.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8338.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9903	
5°	10108	966
15°	9449	2614
25°	6323	2812
35°	1937	1222
45°	266	205
55°	223	200
65°	173	171
75°	110	114
85°	30	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9902.7
2.5°	10181.0
5°	10107.6
7.5°	10130.8
10°	10112.7
12.5°	9904.0
15°	9449.0
17.5°	8838.2
20°	8104.9
22.5°	7320.0
25°	6322.6
27.5°	5057.0
30°	4086.6
32.5°	3149.7
35°	1937.0
37.5°	828.7
40°	293.8
42.5°	270.6
45°	265.5
47.5°	256.5
50°	246.1
52.5°	234.6
55°	223.0
57.5°	211.4
60°	199.8
62.5°	186.9
65°	172.7
67.5°	158.5
70°	143.1
72.5°	126.3
75°	109.5
77.5°	90.2
80°	70.9
82.5°	50.3
85°	29.6
87.5°	10.3
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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