

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: P794976

Luminaire Tested: LER6D65D010-EC6DR6055659024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794976
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-EC6DR6055659024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 6804.7 lumens
Efficiency: N/A
Efficacy: 93.5 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

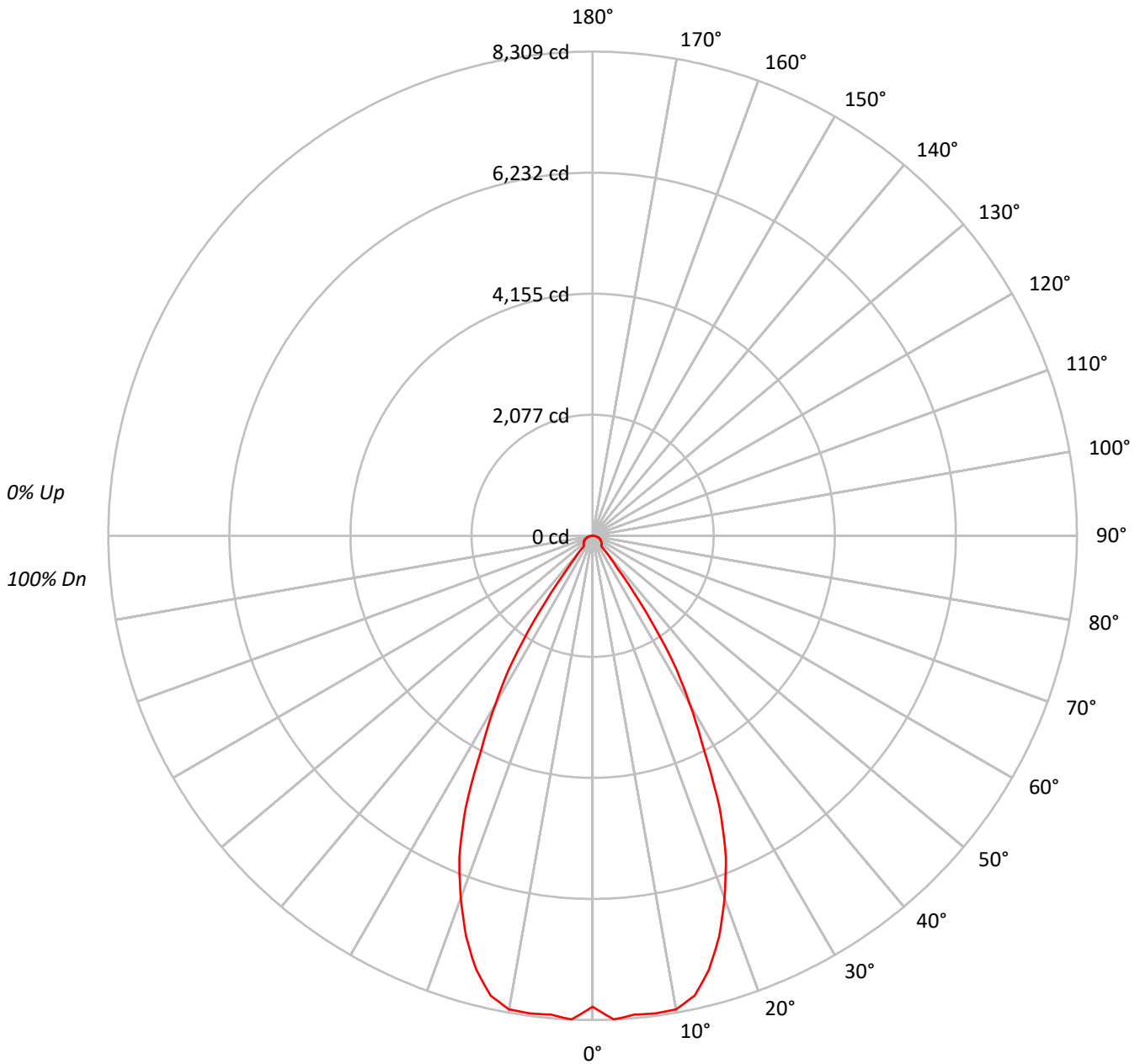
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	882980
5°	904702
10°	915629
15°	872253
20°	769064
25°	622032
30°	420755
35°	210838
40°	34203
45°	33484
50°	34149
55°	34650
60°	35619
65°	36427
70°	37281
75°	37740
80°	36368
85°	30338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.4	11.6
10°-20°	2133.0	31.3
20°-30°	2294.9	33.7
30°-40°	997.5	14.7
40°-50°	167.6	2.5
50°-60°	162.9	2.4
60°-70°	139.3	2.0
70°-80°	93.2	1.4
80°-90°	27.9	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°	5216.2	76.7
0°-40°	6213.8	91.3
0°-60°	6544.2	96.2
0°-90°	6804.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6804.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8081	
5°	8249	788
15°	7711	2133
25°	5160	2295
35°	1581	998
45°	217	168
55°	182	163
65°	141	139
75°	89	93
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8081.4
2.5°	8308.6
5°	8248.7
7.5°	8267.6
10°	8252.9
12.5°	8082.5
15°	7711.2
17.5°	7212.7
20°	6614.3
22.5°	5973.8
25°	5159.7
27.5°	4127.0
30°	3335.0
32.5°	2570.4
35°	1580.7
37.5°	676.3
40°	239.8
42.5°	220.9
45°	216.7
47.5°	209.3
50°	200.9
52.5°	191.4
55°	181.9
57.5°	172.5
60°	163.0
62.5°	152.5
65°	140.9
67.5°	129.4
70°	116.7
72.5°	103.1
75°	89.4
77.5°	73.6
80°	57.8
82.5°	41.0
85°	24.2
87.5°	8.4
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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(END OF REPORT)