

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: P769999

Luminaire Tested: LD6D65D010-EU6DR6055659035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769999
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: LD6D65D010-EU6DR6055659035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6319.4 lumens
Efficiency: N/A
Efficacy: 86.8 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

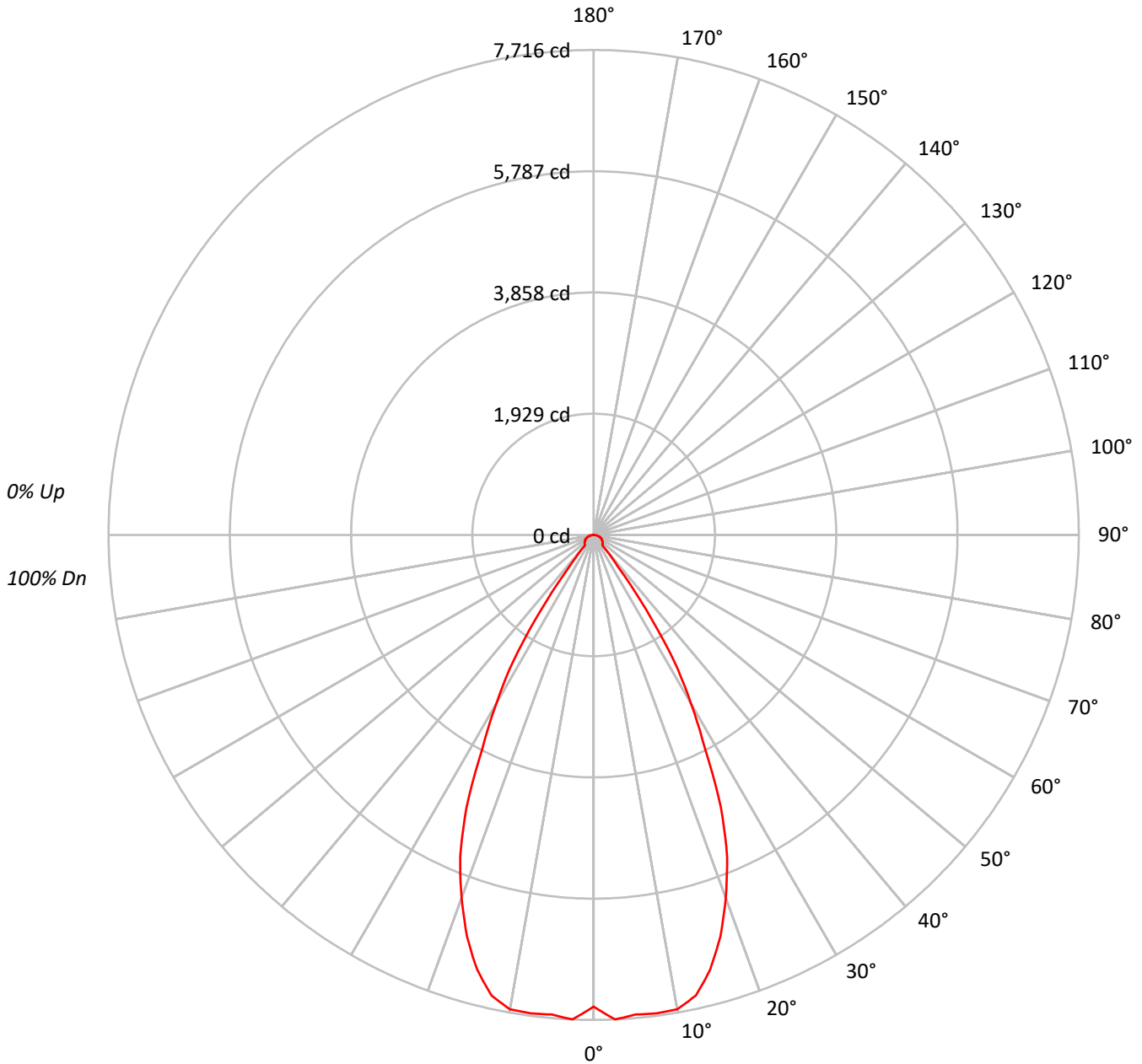
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	820002
5°	840167
10°	850314
15°	810040
20°	714206
25°	577668
30°	390741
35°	195806
40°	31764
45°	31089
50°	31718
55°	32193
60°	33084
65°	33842
70°	34629
75°	35039
80°	33788
85°	28207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 35039 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.1	11.6
10°-20°	1980.8	31.3
20°-30°	2131.2	33.7
30°-40°	926.4	14.7
40°-50°	155.6	2.5
50°-60°	151.3	2.4
60°-70°	129.4	2.0
70°-80°	86.6	1.4
80°-90°	25.9	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°	4844.2	76.7
0°-40°	5770.6	91.3
0°-60°	6077.5	96.2
0°-90°	6319.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6319.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7505	
5°	7660	732
15°	7161	1981
25°	4792	2131
35°	1468	926
45°	201	156
55°	169	151
65°	131	129
75°	83	87
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7505.0
2.5°	7716.0
5°	7660.3
7.5°	7677.9
10°	7664.2
12.5°	7506.0
15°	7161.2
17.5°	6698.2
20°	6142.5
22.5°	5547.7
25°	4791.7
27.5°	3832.6
30°	3097.1
32.5°	2387.1
35°	1468.0
37.5°	628.0
40°	222.7
42.5°	205.1
45°	201.2
47.5°	194.4
50°	186.6
52.5°	177.8
55°	169.0
57.5°	160.2
60°	151.4
62.5°	141.6
65°	130.9
67.5°	120.1
70°	108.4
72.5°	95.7
75°	83.0
77.5°	68.4
80°	53.7
82.5°	38.1
85°	22.5
87.5°	7.8
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)