

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: P768455

Luminaire Tested: LD6D55D010-EU6DR6055659040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768455
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: LD6D55D010-EU6DR6055659040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6254.8 lumens
Efficiency: N/A
Efficacy: 107.5 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

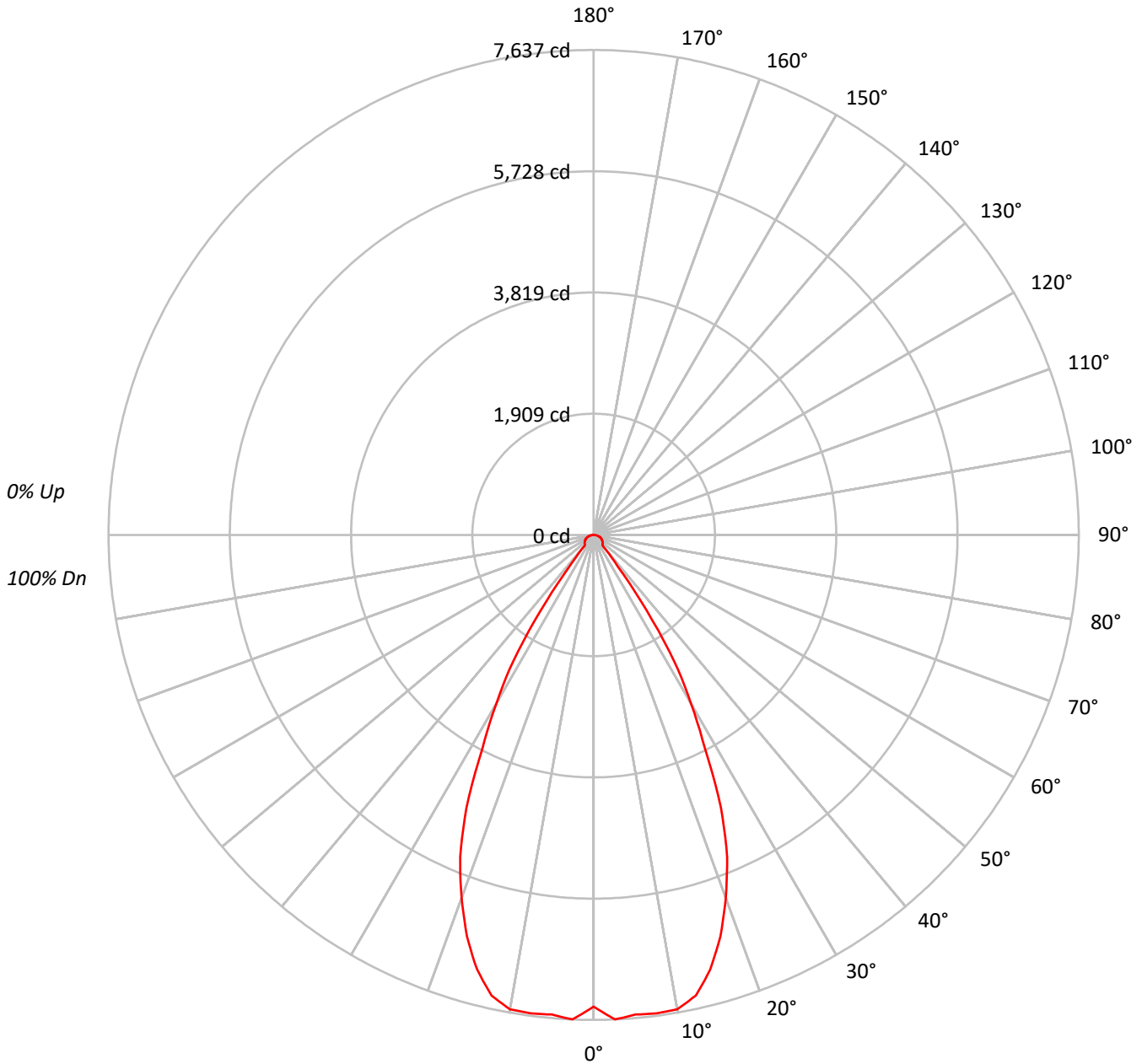
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
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°	811644
5°	831601
10°	841650
15°	801782
20°	706927
25°	571785
30°	386767
35°	193805
40°	31436
45°	30765
50°	31378
55°	31850
60°	32735
65°	33480
70°	34278
75°	34701
80°	33474
85°	27831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.7	11.6
10°-20°	1960.6	31.3
20°-30°	2109.5	33.7
30°-40°	916.9	14.7
40°-50°	154.0	2.5
50°-60°	149.7	2.4
60°-70°	128.1	2.0
70°-80°	85.7	1.4
80°-90°	25.6	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°	4794.8	76.7
0°-40°	5711.7	91.3
0°-60°	6015.4	96.2
0°-90°	6254.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6254.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7428	
5°	7582	725
15°	7088	1961
25°	4743	2109
35°	1453	917
45°	199	154
55°	167	150
65°	130	128
75°	82	86
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7428.5
2.5°	7637.3
5°	7582.2
7.5°	7599.6
10°	7586.1
12.5°	7429.4
15°	7088.2
17.5°	6629.9
20°	6079.9
22.5°	5491.1
25°	4742.9
27.5°	3793.5
30°	3065.6
32.5°	2362.7
35°	1453.0
37.5°	621.6
40°	220.4
42.5°	203.0
45°	199.1
47.5°	192.4
50°	184.6
52.5°	175.9
55°	167.2
57.5°	158.5
60°	149.8
62.5°	140.2
65°	129.5
67.5°	118.9
70°	107.3
72.5°	94.7
75°	82.2
77.5°	67.7
80°	53.2
82.5°	37.7
85°	22.2
87.5°	7.7
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)