

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: P790578

Luminaire Tested: LER6D20D010-EC6DR7020359030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR7020359030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2639.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

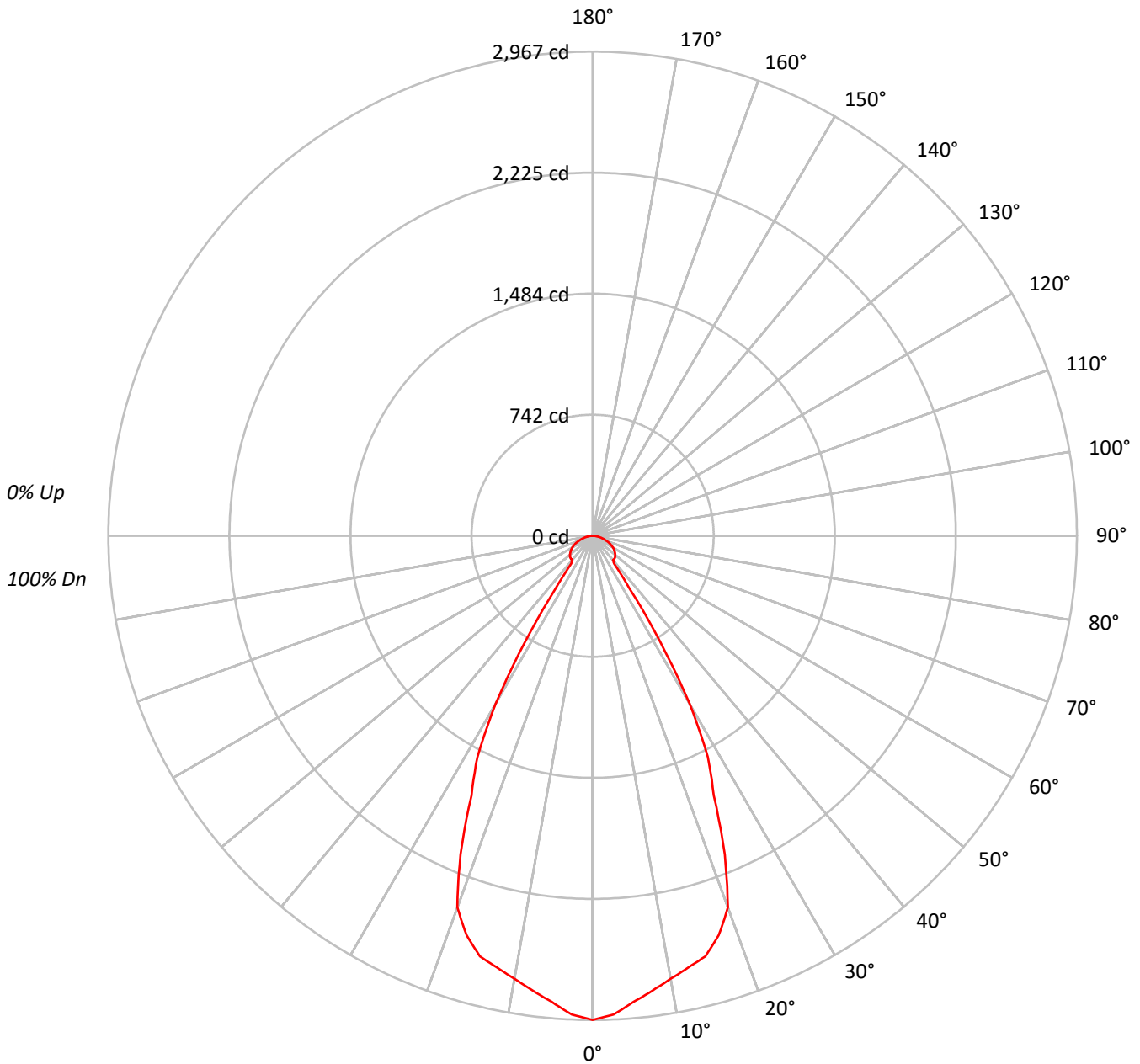
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91						91													
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83						83													
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76						76													
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70						70													
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65						65													
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61						61													
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57						57													
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53						53													
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50						50													
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48						48													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324177
5°	314546
10°	305779
15°	301768
20°	281787
25°	211696
30°	149642
35°	53006
40°	27870
45°	29683
50°	30749
55°	31317
60°	31511
65°	30843
70°	29103
75°	26975
80°	23973
85°	19431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 31520 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	10.3
10°-20°	742.0	28.1
20°-30°	817.2	31.0
30°-40°	312.2	11.8
40°-50°	147.4	5.6
50°-60°	146.6	5.6
60°-70°	117.3	4.4
70°-80°	67.4	2.6
80°-90°	18.3	0.7
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°	1829.7	69.3
0°-40°	2141.9	81.2
0°-60°	2435.9	92.3
0°-90°	2639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2967	
5°	2868	271
15°	2668	742
25°	1756	817
35°	397	312
45°	192	147
55°	164	147
65°	119	117
75°	64	67
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2967.0
2.5°	2936.0
5°	2867.9
7.5°	2811.0
10°	2756.1
12.5°	2709.6
15°	2667.8
17.5°	2566.8
20°	2423.5
22.5°	2114.4
25°	1756.0
27.5°	1528.6
30°	1186.1
32.5°	766.2
35°	397.4
37.5°	214.7
40°	195.4
42.5°	194.0
45°	192.1
47.5°	187.9
50°	180.9
52.5°	172.9
55°	164.4
57.5°	155.0
60°	144.2
62.5°	132.0
65°	119.3
67.5°	105.2
70°	91.1
72.5°	77.0
75°	63.9
77.5°	50.3
80°	38.1
82.5°	26.8
85°	15.5
87.5°	6.1
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)