

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: P794332

Luminaire Tested: LER6D60D010-EC6DR4055659035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D60D010-EC6DR4055659035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7950.7 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

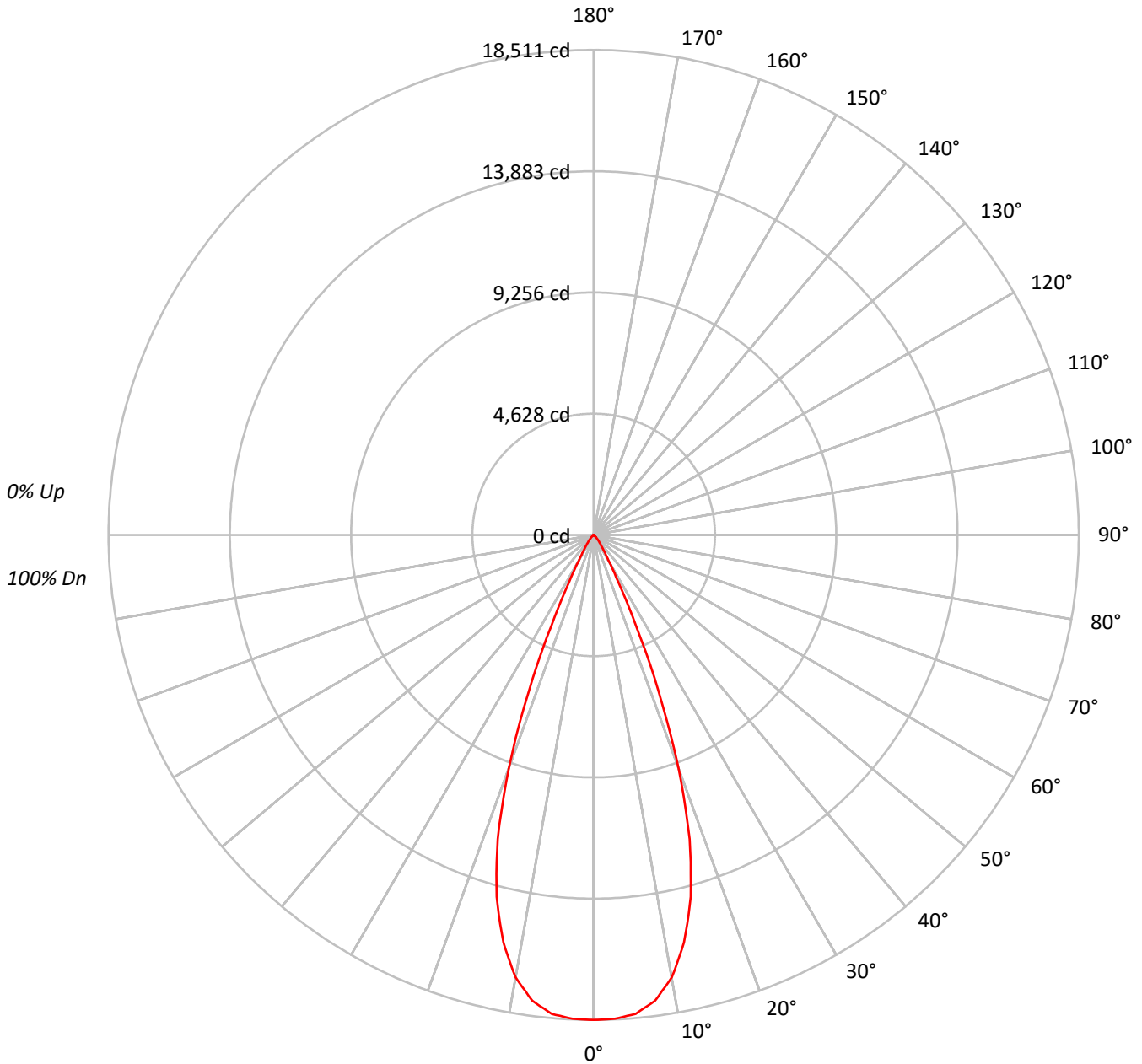
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									20
RC	80									50									30									10									0									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	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	99	98	97	96	95	93	92	91	89	88															
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	93	92	91	89	88	87	85	84	82	81																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	89	88	87	85	84	82	81	79	77	75	72															
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	85	84	82	81	79	77	75	72	70	69																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	82	81	79	77	75	72	70	69	67	65	62	59															
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	79	77	75	72	70	69	67	65	62	59	57																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	75	72	70	69	67	65	62	59	57	55	52	49															
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	72	70	69	67	65	62	59	57	55	52	49	47															
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	70	69	67	65	62	59	57	55	52	49	47	45															
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	67	65	62	59	57	55	52	49	47	45	43	41															
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	65	62	59	57	55	52	49	47	45	43	41	39															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2022570
5°	2012736
10°	1902473
15°	1617342
20°	1102337
25°	459945
30°	144621
35°	67212
40°	37169
45°	17043
50°	8278
55°	4534
60°	2360
65°	827
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17043 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1713.5	21.6
10°-20°	3838.8	48.3
20°-30°	1921.6	24.2
30°-40°	352.2	4.4
40°-50°	97.2	1.2
50°-60°	22.8	0.3
60°-70°	4.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	7473.9	94.0
0°-40°	7826.2	98.4
0°-60°	7946.2	99.9
0°-90°	7950.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7950.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18511	
5°	18351	###
15°	14298	3839
25°	3815	1922
35°	504	352
45°	110	97
55°	24	23
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18511.4
2.5°	18484.3
5°	18351.3
7.5°	17927.4
10°	17147.7
12.5°	15932.2
15°	14298.2
17.5°	12173.3
20°	9480.6
22.5°	6463.5
25°	3815.2
27.5°	2016.8
30°	1146.3
32.5°	740.8
35°	503.9
37.5°	360.1
40°	260.6
42.5°	178.4
45°	110.3
47.5°	70.3
50°	48.7
52.5°	34.6
55°	23.8
57.5°	15.1
60°	10.8
62.5°	6.5
65°	3.2
67.5°	2.2
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)