

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: P769697

Luminaire Tested: LD6D65D010-EU6DR4055659040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769697
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: LD6D65D010-EU6DR4055659040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

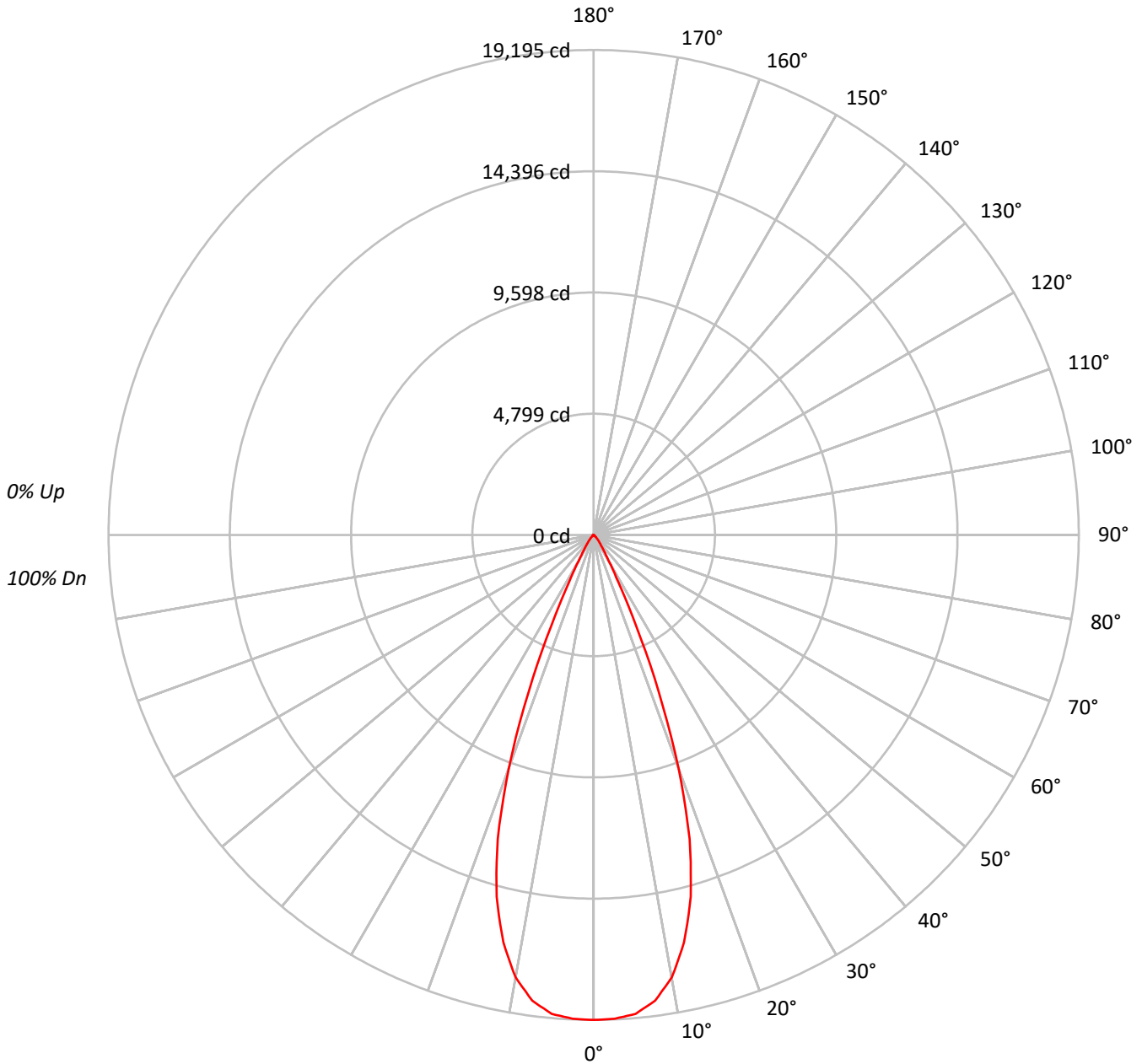
Lumens per Lamp: N/A
Luminaire Lumens: 8244.4 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): 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



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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									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	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	100	100	100	100	100	100	100																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	96	96	96	96	96	96	96	96	96	96																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92	92	92	92	92	92	92	92																
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	88	88	88	88	88	88	88	88	88	88																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84	84	84	84	84	84	84	84	84	84																
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	81	81	81	81	81	81	81	81	81	81																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	77	77	77	77	77	77	77	77	77	77																
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	74	74	74	74	74	74	74	74	74	74																
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72	72	72	72	72	72	72	72	72																
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	69	69	69	69	69	69	69	69	69	69																
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	67	67	67	67	67	67	67	67	67	67																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2097260
5°	2087076
10°	1972736
15°	1677078
20°	1143055
25°	476931
30°	149958
35°	69692
40°	38539
45°	17677
50°	8584
55°	4705
60°	2447
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1776.8	21.6
10°-20°	3980.6	48.3
20°-30°	1992.6	24.2
30°-40°	365.2	4.4
40°-50°	100.8	1.2
50°-60°	23.7	0.3
60°-70°	4.5	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°	7750.0	94.0
0°-40°	8115.2	98.4
0°-60°	8239.7	99.9
0°-90°	8244.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8244.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19195	
5°	19029	###
15°	14826	3981
25°	3956	1993
35°	522	365
45°	114	101
55°	25	24
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19195.0
2.5°	19167.0
5°	19029.1
7.5°	18589.5
10°	17781.0
12.5°	16520.7
15°	14826.3
17.5°	12622.9
20°	9830.8
22.5°	6702.2
25°	3956.1
27.5°	2091.3
30°	1188.6
32.5°	768.1
35°	522.5
37.5°	373.4
40°	270.2
42.5°	185.0
45°	114.4
47.5°	72.9
50°	50.5
52.5°	35.9
55°	24.7
57.5°	15.7
60°	11.2
62.5°	6.7
65°	3.4
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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