

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: P793850

Luminaire Tested: LER6D55D010-EC6DR4055659035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793850
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: LER6D55D010-EC6DR4055659035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6516.8 lumens
Efficiency: N/A
Efficacy: 112.0 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): 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

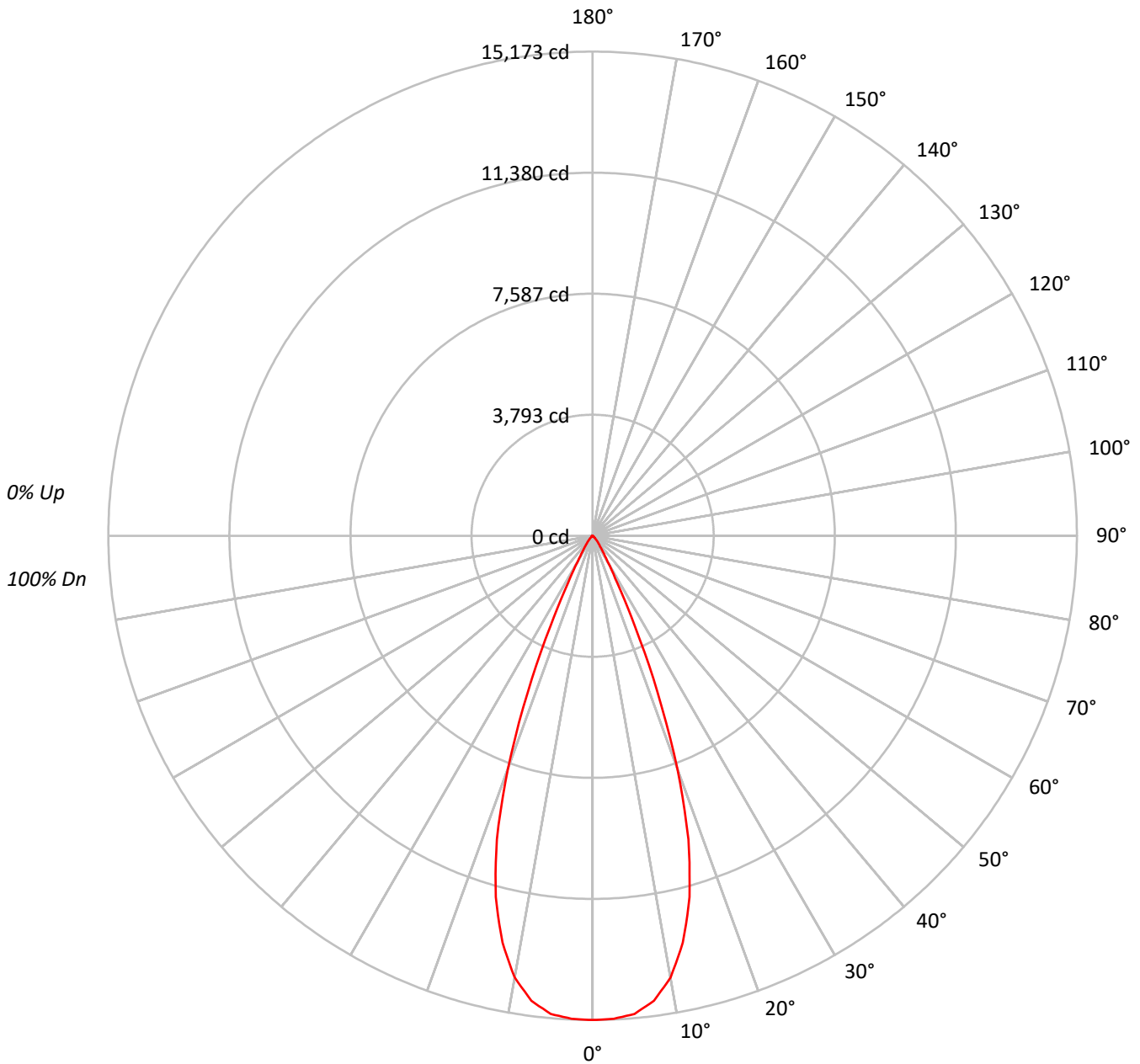


Downlight

TEST NUMBER: P793850

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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	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	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	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	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	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	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	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	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	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	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	67																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1657781
5°	1649723
10°	1559350
15°	1325641
20°	903522
25°	376990
30°	118531
35°	55087
40°	30466
45°	13968
50°	6782
55°	3715
60°	1945
65°	698
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1404.5	21.6
10°-20°	3146.4	48.3
20°-30°	1575.0	24.2
30°-40°	288.7	4.4
40°-50°	79.6	1.2
50°-60°	18.7	0.3
60°-70°	3.6	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°	6126.0	94.0
0°-40°	6414.7	98.4
0°-60°	6513.0	99.9
0°-90°	6516.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6516.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15173	
5°	15042	###
15°	11719	3146
25°	3127	1575
35°	413	289
45°	90	80
55°	20	19
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15172.7
2.5°	15150.5
5°	15041.5
7.5°	14694.1
10°	14055.0
12.5°	13058.7
15°	11719.4
17.5°	9977.7
20°	7770.7
22.5°	5297.8
25°	3127.1
27.5°	1653.1
30°	939.5
32.5°	607.2
35°	413.0
37.5°	295.2
40°	213.6
42.5°	146.2
45°	90.4
47.5°	57.6
50°	39.9
52.5°	28.4
55°	19.5
57.5°	12.4
60°	8.9
62.5°	5.3
65°	2.7
67.5°	1.8
70°	0.9
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)