

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: P787581

Luminaire Tested: LER6D05D010-EC6DR150210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR150210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 778.6 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 7.5
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

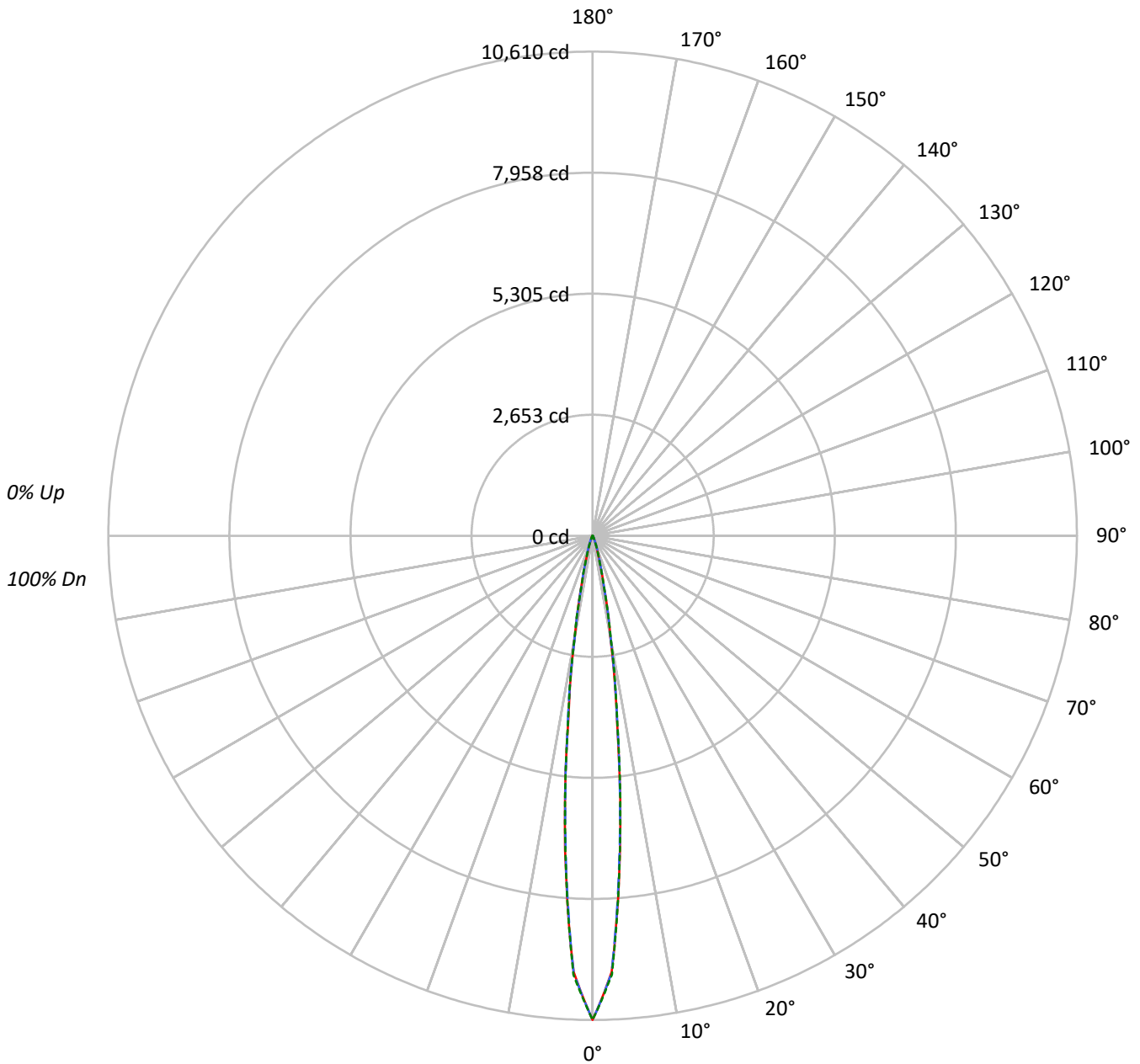


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	92						92													
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	90						90													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	89						89													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	88						88													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	87						87													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	86						86													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	84						84													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1193814	1193814	1193814
5°	701544	692459	697936
10°	209382	210847	214076
15°	52079	53096	51454
20°	15579	18042	15915
25°	5492	6995	5562
30°	2014	2658	2052
35°	1009	1140	980
40°	639	703	639
45°	469	504	469
50°	375	375	375
55°	313	313	313
60°	253	253	253
65°	193	193	193
70°	161	161	161
75°	98	98	136
80°	71	71	71
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.0	64.9
10°-20°	207.7	26.7
20°-30°	41.3	5.3
30°-40°	10.3	1.3
40°-50°	5.4	0.7
50°-60°	4.0	0.5
60°-70°	2.8	0.4
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	754.0	96.8
0°-40°	764.3	98.2
0°-60°	773.7	99.4
0°-90°	778.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10610	10610	10610	10610	10610	
5°	6903	6832	6814	6861	6868	504
15°	600	611	611	600	592	206
25°	70	80	90	80	71	37
35°	14	15	16	15	14	9
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10609.8	10609.8	10609.8	10609.8	10609.8
2.5°	9570.5	9578.6	9581.7	9591.2	9626.2
5°	6903.0	6832.0	6813.6	6860.8	6867.5
7.5°	4089.1	4103.4	4156.0	4167.7	4125.4
10°	2244.0	2262.4	2259.7	2275.8	2294.3
12.5°	1147.6	1133.2	1128.7	1147.1	1121.5
15°	599.6	610.8	611.3	600.5	592.4
17.5°	322.5	335.5	357.1	339.6	312.6
20°	190.4	202.1	220.5	206.2	194.5
22.5°	117.7	127.1	140.1	128.9	119.5
25°	70.5	79.9	89.8	79.5	71.4
27.5°	41.8	49.9	56.1	49.4	41.3
30°	26.9	31.4	35.5	31.0	27.4
32.5°	18.9	20.7	22.5	20.7	18.9
35°	13.9	14.8	15.7	14.8	13.5
37.5°	10.8	11.7	12.1	11.2	10.3
40°	9.0	9.4	9.9	9.4	9.0
42.5°	7.6	8.1	8.1	8.1	7.6
45°	6.7	6.7	7.2	6.7	6.7
47.5°	5.8	5.8	6.3	5.8	5.8
50°	5.4	5.4	5.4	5.4	5.4
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)