

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: P785830

Luminaire Tested: LERS6D05D010-EC6DR450210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D05D010-EC6DR450210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1416.4 lumens
Efficiency: N/A
Efficacy: 188.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
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

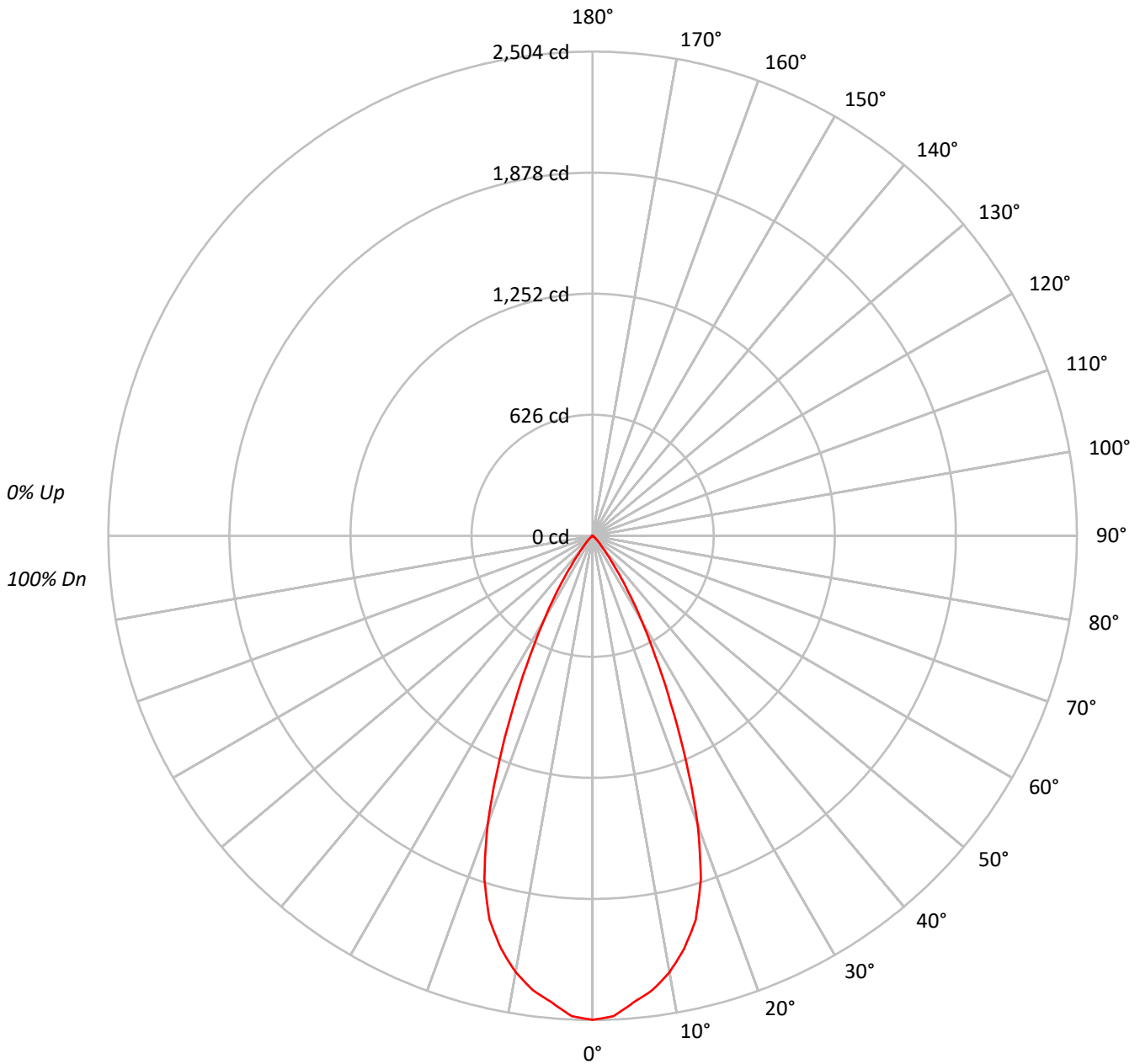


Downlight

TEST NUMBER: P785830

CATALOG NUMBER: LERS6D05D010-EC6DR450210IC9040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P785830

CATALOG NUMBER: LERS6D05D010-EC6DR450210IC9040-6LBS1LI

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				95															
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				90															
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85															
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81															
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				77															
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				73															
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				69															
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				66															
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				63															
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				60															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273545
5°	265750
10°	254256
15°	232700
20°	184606
25°	115251
30°	63523
35°	28517
40°	11239
45°	5300
50°	2516
55°	1314
60°	656
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5300 cd/sqm



TEST NUMBER: P785830

CATALOG NUMBER: LERS6D05D010-EC6DR450210IC9040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.7	16.1
10°-20°	560.3	39.6
20°-30°	443.7	31.3
30°-40°	147.7	10.4
40°-50°	29.4	2.1
50°-60°	6.7	0.5
60°-70°	1.0	0.1
70°-80°	0.0	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°	1231.7	87.0
0°-40°	1379.4	97.4
0°-60°	1415.4	99.9
0°-90°	1416.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2504	
5°	2423	228
15°	2057	560
25°	956	444
35°	214	148
45°	34	29
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P785830

CATALOG NUMBER: LERS6D05D010-EC6DR450210IC9040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2503.6
2.5°	2487.2
5°	2423.0
7.5°	2370.1
10°	2291.7
12.5°	2187.3
15°	2057.2
17.5°	1861.4
20°	1587.7
22.5°	1261.6
25°	956.0
27.5°	700.0
30°	503.5
32.5°	342.4
35°	213.8
37.5°	126.8
40°	78.8
42.5°	51.8
45°	34.3
47.5°	22.1
50°	14.8
52.5°	9.8
55°	6.9
57.5°	4.5
60°	3.0
62.5°	1.6
65°	0.6
67.5°	0.2
70°	0.2
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

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)