

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



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: P787826

Luminaire Tested: LER6D05D010-EC6DR400210IC9040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787826
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: LER6D05D010-EC6DR400210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1239.3 lumens
Efficiency: N/A
Efficacy: 165.2 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

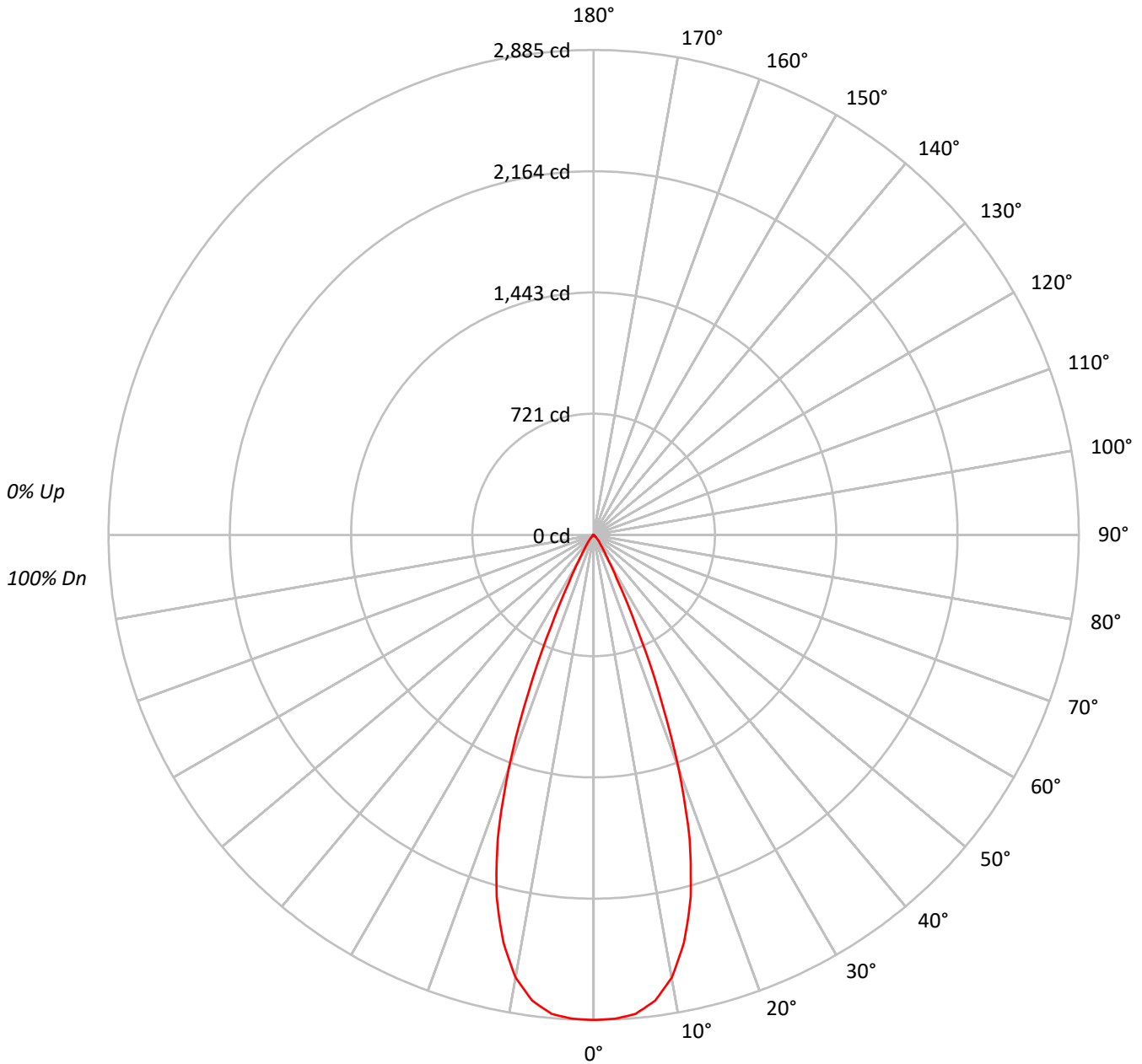
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P787826
CATALOG NUMBER: LER6D05D010-EC6DR400210IC9040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P787826

CATALOG NUMBER: LER6D05D010-EC6DR400210IC9040-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315250
5°	313723
10°	296537
15°	252100
20°	171816
25°	71695
30°	22545
35°	10471
40°	5791
45°	2658
50°	1292
55°	705
60°	371
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2658 cd/sqm



TEST NUMBER: P787826

CATALOG NUMBER: LER6D05D010-EC6DR400210IC9040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.1	21.6
10°-20°	598.3	48.3
20°-30°	299.5	24.2
30°-40°	54.9	4.4
40°-50°	15.2	1.2
50°-60°	3.6	0.3
60°-70°	0.7	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°	1165.0	94.0
0°-40°	1219.9	98.4
0°-60°	1238.6	99.9
0°-90°	1239.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2885	
5°	2860	267
15°	2229	598
25°	595	300
35°	78	55
45°	17	15
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P787826

CATALOG NUMBER: LER6D05D010-EC6DR400210IC9040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2885.3
2.5°	2881.1
5°	2860.4
7.5°	2794.3
10°	2672.8
12.5°	2483.3
15°	2228.7
17.5°	1897.4
20°	1477.7
22.5°	1007.5
25°	594.7
27.5°	314.4
30°	178.7
32.5°	115.5
35°	78.5
37.5°	56.1
40°	40.6
42.5°	27.8
45°	17.2
47.5°	11.0
50°	7.6
52.5°	5.4
55°	3.7
57.5°	2.4
60°	1.7
62.5°	1.0
65°	0.5
67.5°	0.3
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)