

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: P788026

Luminaire Tested: LER6D05D010-EC6DR600210IC9050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR600210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1123.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

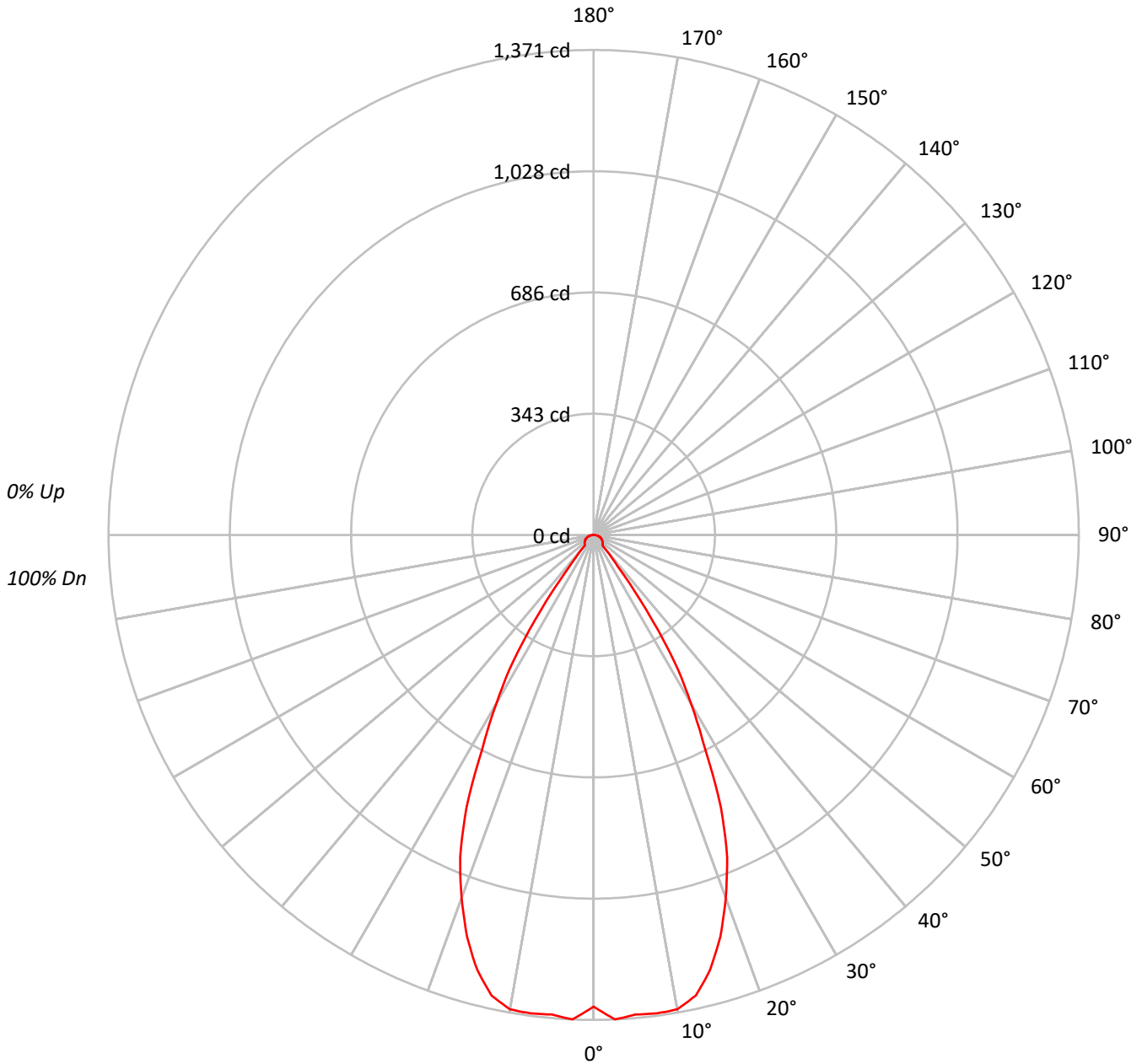
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788026
CATALOG NUMBER: LER6D05D010-EC6DR600210IC9050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P788026

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9050-6LBDP1MW

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	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
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145710
5°	149294
10°	151098
15°	143950
20°	126912
25°	102653
30°	69440
35°	34800
40°	5648
45°	5532
50°	5643
55°	5715
60°	5878
65°	6024
70°	6166
75°	6248
80°	5977
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6248 cd/sqm



TEST NUMBER: P788026

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	11.6
10°-20°	352.0	31.3
20°-30°	378.7	33.7
30°-40°	164.6	14.7
40°-50°	27.6	2.5
50°-60°	26.9	2.4
60°-70°	23.0	2.0
70°-80°	15.4	1.4
80°-90°	4.6	0.4
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°	860.8	76.7
0°-40°	1025.5	91.3
0°-60°	1080.0	96.2
0°-90°	1123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1334	
5°	1361	130
15°	1273	352
25°	852	379
35°	261	165
45°	36	28
55°	30	27
65°	23	23
75°	15	15
85°	4	5
90°	0	



TEST NUMBER: P788026

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1333.6
2.5°	1371.1
5°	1361.2
7.5°	1364.4
10°	1361.9
12.5°	1333.8
15°	1272.6
17.5°	1190.3
20°	1091.5
22.5°	985.8
25°	851.5
27.5°	681.1
30°	550.4
32.5°	424.2
35°	260.9
37.5°	111.6
40°	39.6
42.5°	36.4
45°	35.8
47.5°	34.5
50°	33.2
52.5°	31.6
55°	30.0
57.5°	28.5
60°	26.9
62.5°	25.2
65°	23.3
67.5°	21.3
70°	19.3
72.5°	17.0
75°	14.8
77.5°	12.1
80°	9.5
82.5°	6.8
85°	4.0
87.5°	1.4
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)