

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: P787690

Luminaire Tested: LER6D05D010-EC6DR250210IC9050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR250210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 978.4 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

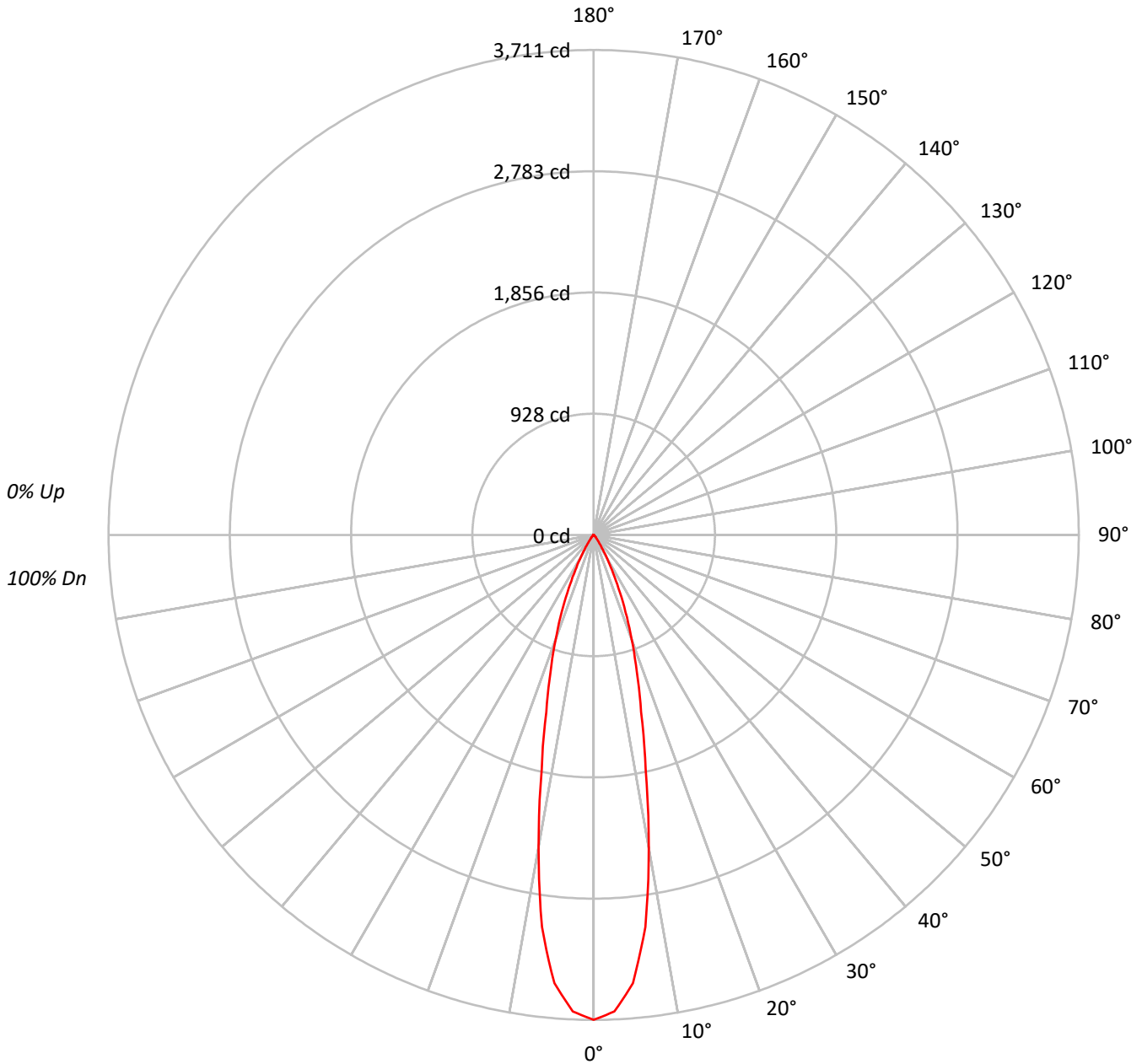


Downlight

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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					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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92												
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89												
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85												
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82												
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79												
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77												
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74												
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72												
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	405434
5°	377611
10°	269366
15°	158644
20°	98716
25°	54178
30°	24779
35°	9377
40°	4250
45°	2550
50°	1054
55°	686
60°	481
65°	310
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.9	30.2
10°-20°	400.8	41.0
20°-30°	212.1	21.7
30°-40°	52.3	5.4
40°-50°	12.8	1.3
50°-60°	3.4	0.3
60°-70°	1.1	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°	908.7	92.9
0°-40°	961.1	98.2
0°-60°	977.2	99.9
0°-90°	978.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3711	
5°	3443	296
15°	1402	401
25°	449	212
35°	70	52
45°	16	13
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3710.7
2.5°	3649.8
5°	3442.9
7.5°	3027.4
10°	2427.9
12.5°	1835.3
15°	1402.5
17.5°	1093.1
20°	849.0
22.5°	636.7
25°	449.4
27.5°	301.3
30°	196.4
32.5°	119.5
35°	70.3
37.5°	43.0
40°	29.8
42.5°	22.8
45°	16.5
47.5°	10.0
50°	6.2
52.5°	4.5
55°	3.6
57.5°	2.8
60°	2.2
62.5°	1.7
65°	1.2
67.5°	0.5
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



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

Scaled Data Report



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— 0°-180°

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(END OF REPORT)