

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: P791074

Luminaire Tested: LER6D25D010-EC6DR6020359040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791074
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: LER6D25D010-EC6DR6020359040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4876.1 lumens
Efficiency: N/A
Efficacy: 194.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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

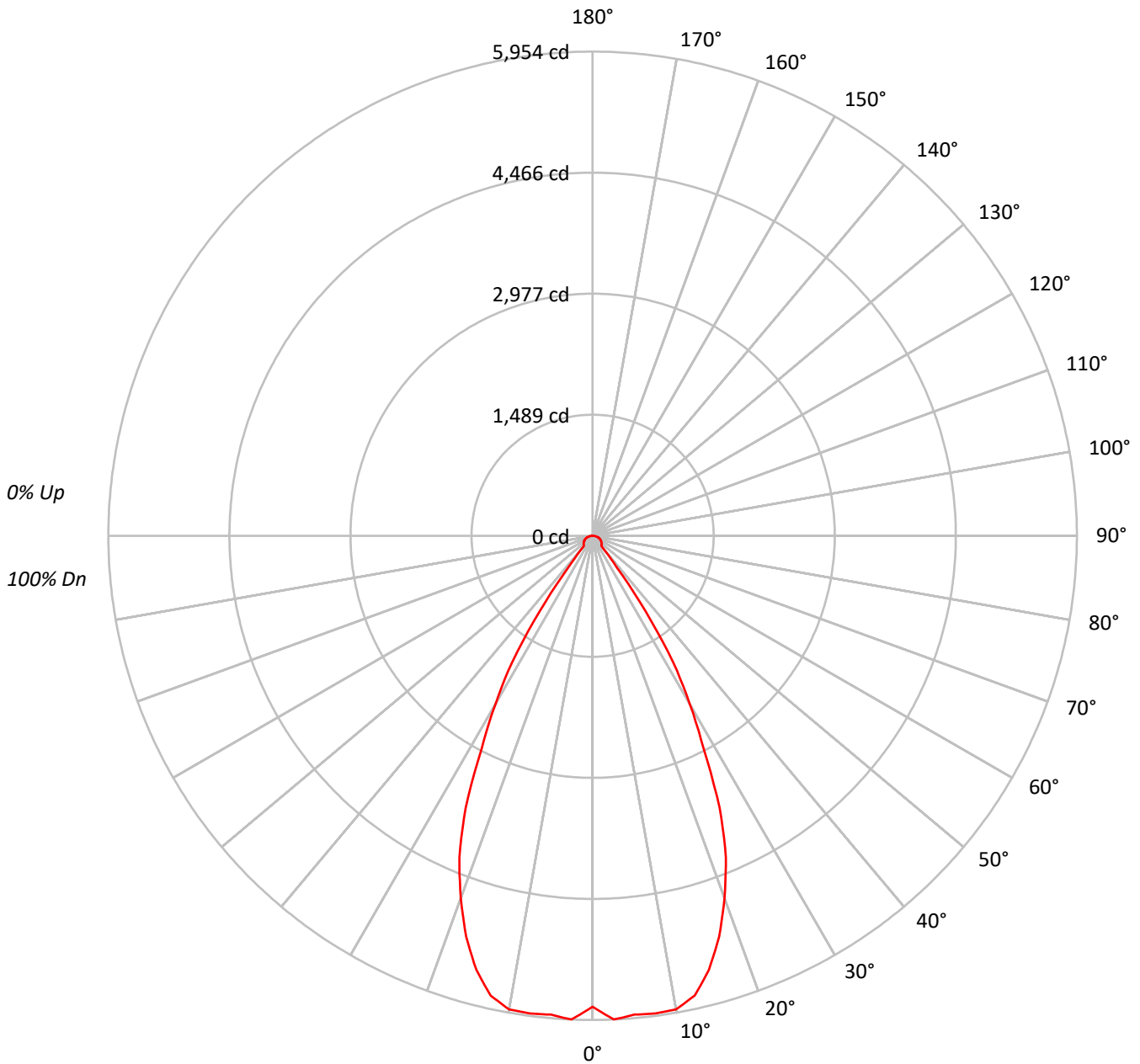


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	632718
5°	648274
10°	656103
15°	625029
20°	551087
25°	445731
30°	301505
35°	151083
40°	24504
45°	23981
50°	24460
55°	24840
60°	25523
65°	26112
70°	26739
75°	27060
80°	26049
85°	21688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.9	11.6
10°-20°	1528.4	31.3
20°-30°	1644.4	33.7
30°-40°	714.8	14.7
40°-50°	120.1	2.5
50°-60°	116.7	2.4
60°-70°	99.9	2.0
70°-80°	66.8	1.4
80°-90°	20.0	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°	3737.8	76.7
0°-40°	4452.6	91.3
0°-60°	4689.4	96.2
0°-90°	4876.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4876.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5791	
5°	5911	565
15°	5526	1528
25°	3697	1644
35°	1133	715
45°	155	120
55°	130	117
65°	101	100
75°	64	67
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5790.9
2.5°	5953.7
5°	5910.7
7.5°	5924.3
10°	5913.7
12.5°	5791.6
15°	5525.6
17.5°	5168.4
20°	4739.6
22.5°	4280.6
25°	3697.3
27.5°	2957.2
30°	2389.8
32.5°	1841.9
35°	1132.7
37.5°	484.6
40°	171.8
42.5°	158.3
45°	155.2
47.5°	150.0
50°	143.9
52.5°	137.2
55°	130.4
57.5°	123.6
60°	116.8
62.5°	109.3
65°	101.0
67.5°	92.7
70°	83.7
72.5°	73.9
75°	64.1
77.5°	52.8
80°	41.4
82.5°	29.4
85°	17.3
87.5°	6.0
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

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— 0°-180°

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(END OF REPORT)