

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: P787383

Luminaire Tested: LER6D02D010-EC6DR600210IC9035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P787383
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: LER6D02D010-EC6DR600210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 527.4 lumens
Efficiency: N/A
Efficacy: 103.4 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): 5.1
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

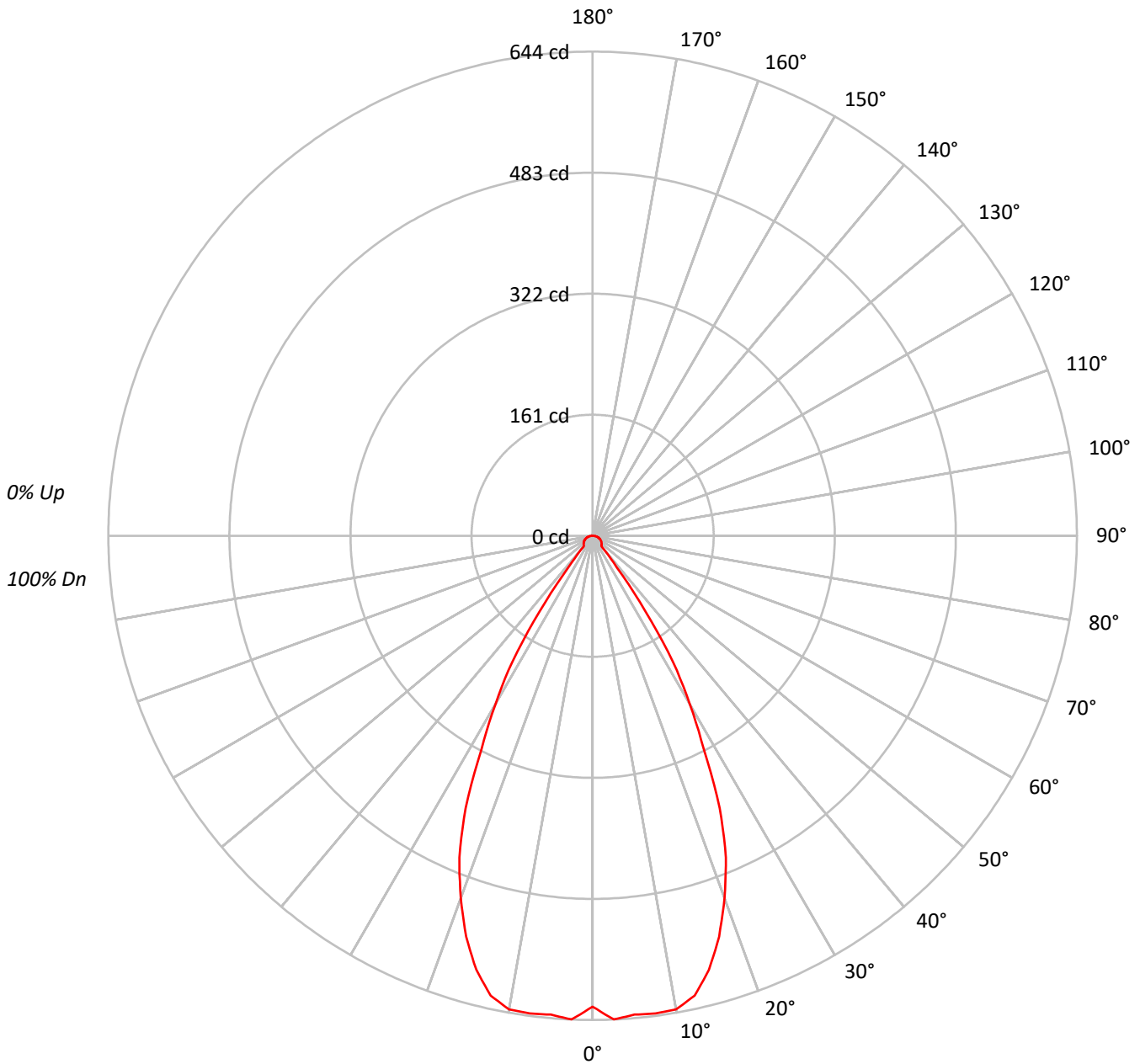


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71	67	63	62
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67	63	60	59
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68430
5°	70117
10°	70961
15°	67598
20°	59601
25°	48210
30°	32613
35°	16339
40°	2653
45°	2596
50°	2652
55°	2686
60°	2753
65°	2818
70°	2875
75°	2913
80°	2831
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 2913 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	11.6
10°-20°	165.3	31.3
20°-30°	177.9	33.7
30°-40°	77.3	14.7
40°-50°	13.0	2.5
50°-60°	12.6	2.4
60°-70°	10.8	2.0
70°-80°	7.2	1.4
80°-90°	2.2	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°	404.3	76.7
0°-40°	481.6	91.3
0°-60°	507.2	96.2
0°-90°	527.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	626	
5°	639	61
15°	598	165
25°	400	178
35°	122	77
45°	17	13
55°	14	13
65°	11	11
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	626.3
2.5°	643.9
5°	639.3
7.5°	640.8
10°	639.6
12.5°	626.4
15°	597.6
17.5°	559.0
20°	512.6
22.5°	463.0
25°	399.9
27.5°	319.9
30°	258.5
32.5°	199.2
35°	122.5
37.5°	52.4
40°	18.6
42.5°	17.1
45°	16.8
47.5°	16.2
50°	15.6
52.5°	14.8
55°	14.1
57.5°	13.4
60°	12.6
62.5°	11.8
65°	10.9
67.5°	10.0
70°	9.0
72.5°	8.0
75°	6.9
77.5°	5.7
80°	4.5
82.5°	3.2
85°	1.9
87.5°	0.7
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)