

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: P792138

Luminaire Tested: LER6D35BD010-EC6DR6020359050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792138
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: LER6D35BD010-EC6DR6020359050-6LBDP1MW
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: 3679.2 lumens
Efficiency: N/A
Efficacy: 119.5 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): 30.8
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

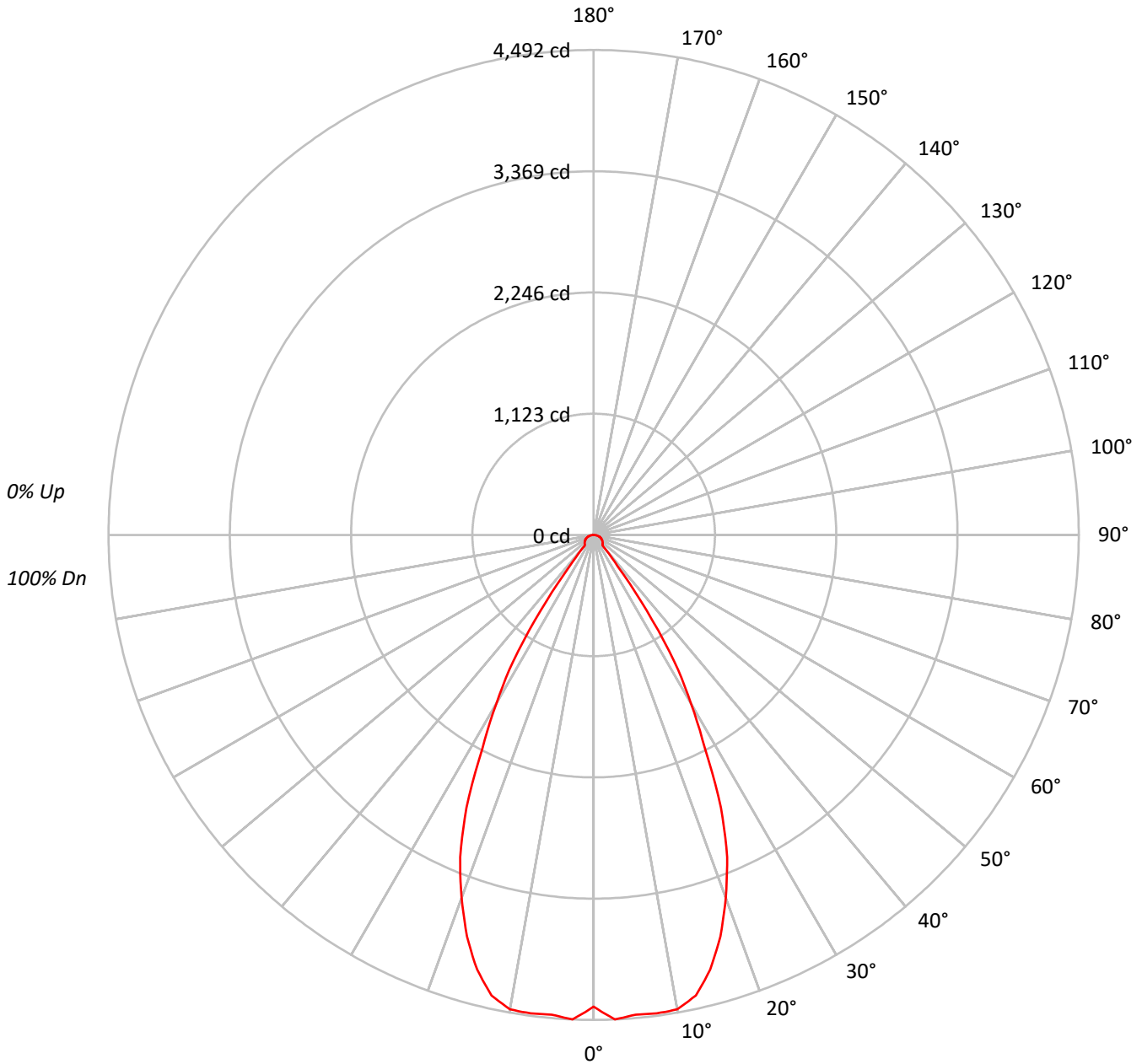


Downlight

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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																			
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°	477426
5°	489164
10°	495076
15°	471622
20°	415827
25°	336339
30°	227498
35°	114002
40°	18499
45°	18094
50°	18460
55°	18744
60°	19252
65°	19700
70°	20158
75°	20390
80°	19694
85°	16423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 20390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.3	11.6
10°-20°	1153.3	31.3
20°-30°	1240.8	33.7
30°-40°	539.4	14.7
40°-50°	90.6	2.5
50°-60°	88.1	2.4
60°-70°	75.3	2.0
70°-80°	50.4	1.4
80°-90°	15.1	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°	2820.4	76.7
0°-40°	3359.8	91.3
0°-60°	3538.4	96.2
0°-90°	3679.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3679.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4370	
5°	4460	426
15°	4169	1153
25°	2790	1241
35°	855	539
45°	117	91
55°	98	88
65°	76	75
75°	48	50
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4369.6
2.5°	4492.4
5°	4460.0
7.5°	4470.3
10°	4462.3
12.5°	4370.2
15°	4169.4
17.5°	3899.9
20°	3576.3
22.5°	3230.0
25°	2789.9
27.5°	2231.4
30°	1803.2
32.5°	1389.8
35°	854.7
37.5°	365.6
40°	129.7
42.5°	119.4
45°	117.1
47.5°	113.2
50°	108.6
52.5°	103.5
55°	98.4
57.5°	93.3
60°	88.1
62.5°	82.5
65°	76.2
67.5°	69.9
70°	63.1
72.5°	55.7
75°	48.3
77.5°	39.8
80°	31.3
82.5°	22.2
85°	13.1
87.5°	4.5
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)