

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: P792135

Luminaire Tested: LER6D35BD010-EC6DR6020359050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792135
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-EC6DR6020359050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3199.3 lumens
Efficiency: N/A
Efficacy: 103.9 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

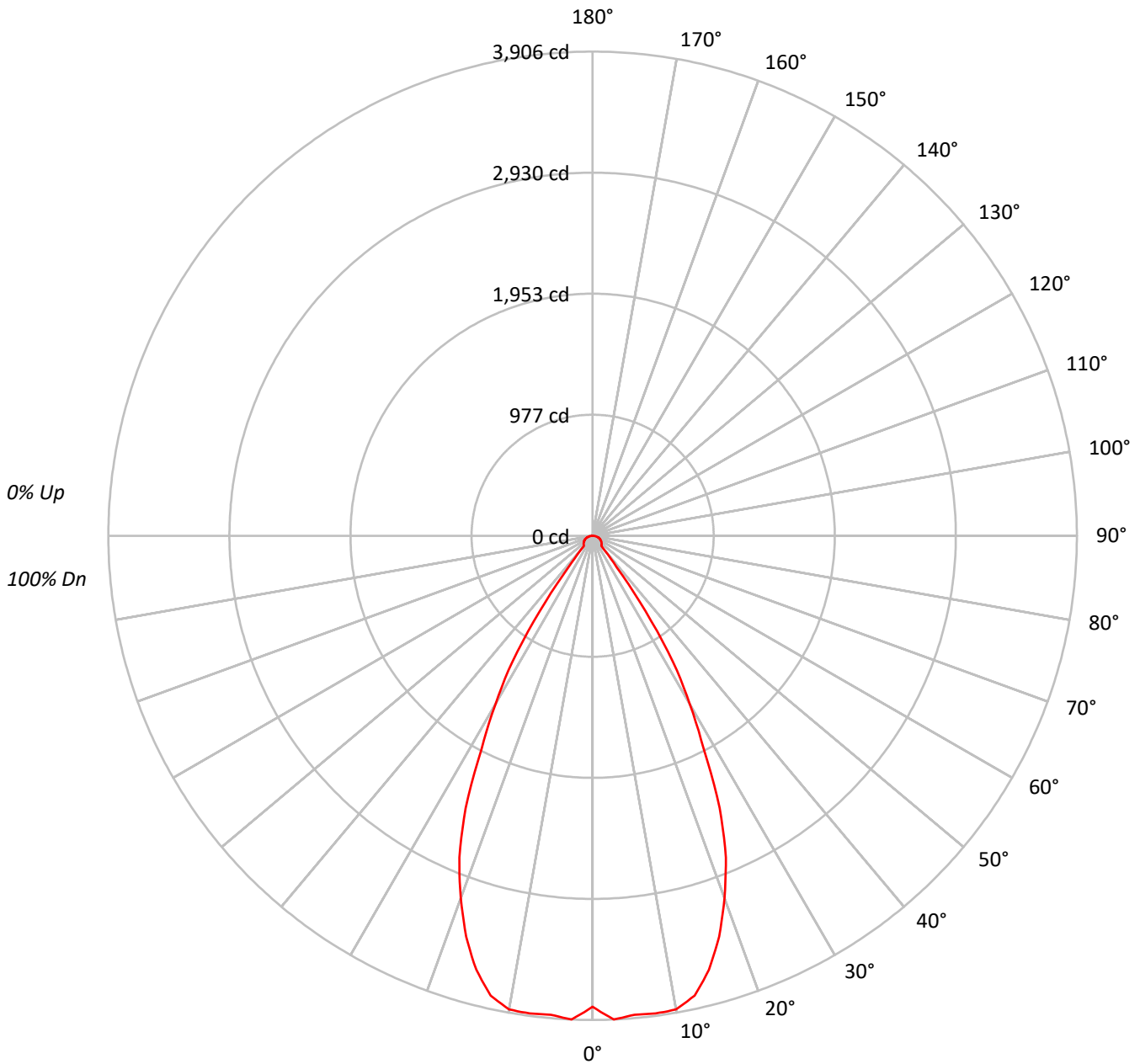


Downlight

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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°	415147
5°	425354
10°	430494
15°	410099
20°	361585
25°	292457
30°	197824
35°	99130
40°	16074
45°	15745
50°	16046
55°	16287
60°	16739
65°	17141
70°	17538
75°	17730
80°	17114
85°	14291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 17730 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.7	11.6
10°-20°	1002.8	31.3
20°-30°	1079.0	33.7
30°-40°	469.0	14.7
40°-50°	78.8	2.5
50°-60°	76.6	2.4
60°-70°	65.5	2.0
70°-80°	43.8	1.4
80°-90°	13.1	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°	2452.5	76.7
0°-40°	2921.5	91.3
0°-60°	3076.8	96.2
0°-90°	3199.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3199.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3800	
5°	3878	371
15°	3626	1003
25°	2426	1079
35°	743	469
45°	102	79
55°	86	77
65°	66	66
75°	42	44
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3799.6
2.5°	3906.4
5°	3878.2
7.5°	3887.1
10°	3880.2
12.5°	3800.1
15°	3625.5
17.5°	3391.2
20°	3109.8
22.5°	2808.7
25°	2425.9
27.5°	1940.3
30°	1568.0
32.5°	1208.5
35°	743.2
37.5°	318.0
40°	112.7
42.5°	103.8
45°	101.9
47.5°	98.4
50°	94.4
52.5°	90.0
55°	85.5
57.5°	81.1
60°	76.6
62.5°	71.7
65°	66.3
67.5°	60.8
70°	54.9
72.5°	48.5
75°	42.0
77.5°	34.6
80°	27.2
82.5°	19.3
85°	11.4
87.5°	4.0
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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Scaled Data Report





— 0°-180°

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(END OF REPORT)