

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: P792096

Luminaire Tested: LER6D35BD010-EC6DR6020359024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792096
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-EC6DR6020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3267.9 lumens
Efficiency: N/A
Efficacy: 106.1 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

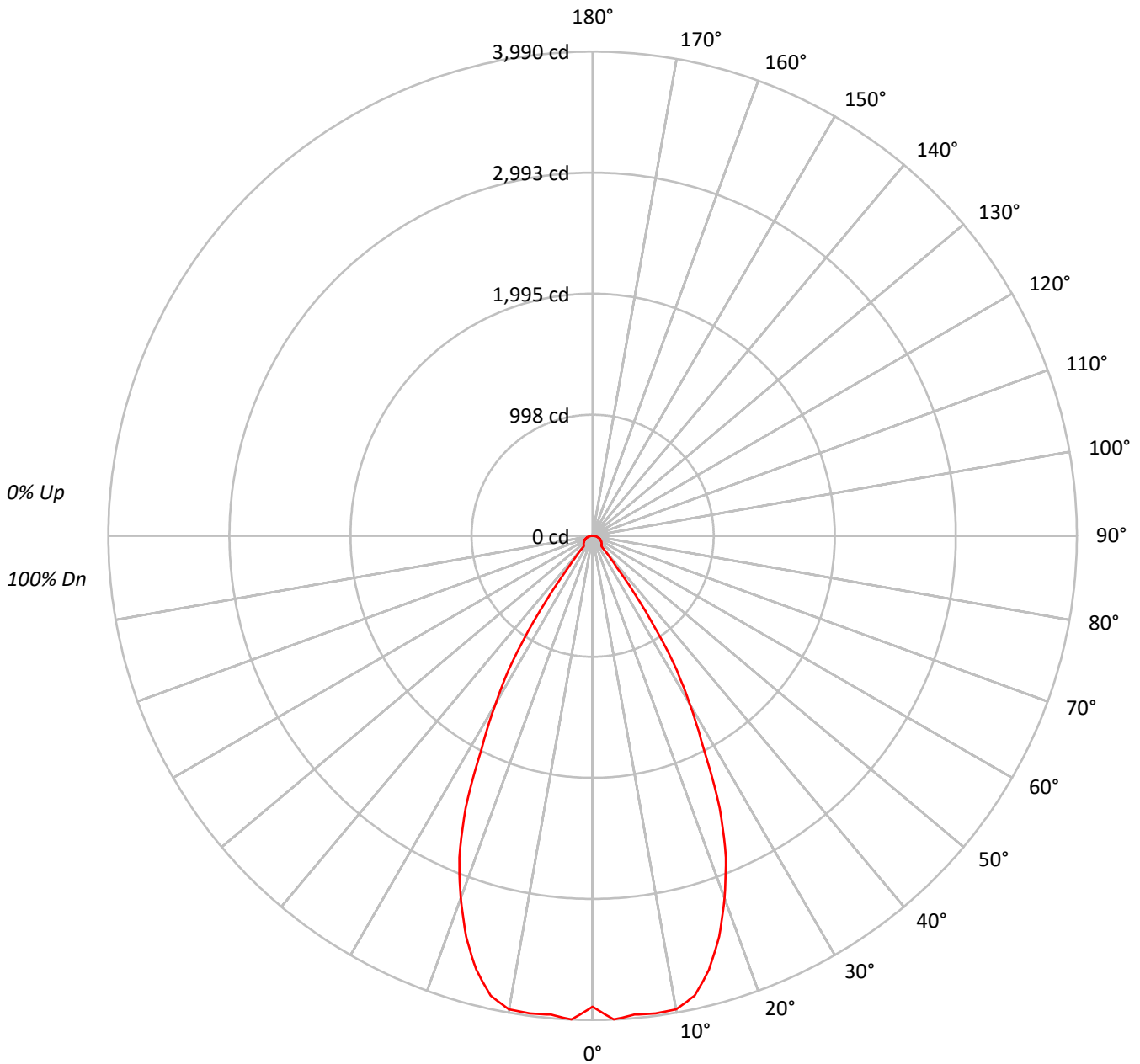


Downlight

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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°	424041
5°	434468
10°	439713
15°	418888
20°	369329
25°	298725
30°	202063
35°	101251
40°	16431
45°	16070
50°	16403
55°	16649
60°	17110
65°	17503
70°	17922
75°	18110
80°	17492
85°	14542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 18110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	11.6
10°-20°	1024.3	31.3
20°-30°	1102.1	33.7
30°-40°	479.1	14.7
40°-50°	80.5	2.5
50°-60°	78.2	2.4
60°-70°	66.9	2.0
70°-80°	44.8	1.4
80°-90°	13.4	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°	2505.0	76.7
0°-40°	2984.1	91.3
0°-60°	3142.8	96.2
0°-90°	3267.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3267.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3881	
5°	3961	379
15°	3703	1024
25°	2478	1102
35°	759	479
45°	104	80
55°	87	78
65°	68	67
75°	43	45
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3881.0
2.5°	3990.1
5°	3961.3
7.5°	3970.4
10°	3963.3
12.5°	3881.5
15°	3703.2
17.5°	3463.8
20°	3176.4
22.5°	2868.8
25°	2477.9
27.5°	1981.9
30°	1601.6
32.5°	1234.4
35°	759.1
37.5°	324.8
40°	115.2
42.5°	106.1
45°	104.0
47.5°	100.5
50°	96.5
52.5°	91.9
55°	87.4
57.5°	82.8
60°	78.3
62.5°	73.2
65°	67.7
67.5°	62.1
70°	56.1
72.5°	49.5
75°	42.9
77.5°	35.4
80°	27.8
82.5°	19.7
85°	11.6
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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— 0°-180°

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(END OF REPORT)