

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: P792137

Luminaire Tested: LER6D35BD010-EC6DR6020359050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792137
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-EC6DR6020359050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4265.9 lumens
Efficiency: N/A
Efficacy: 138.5 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

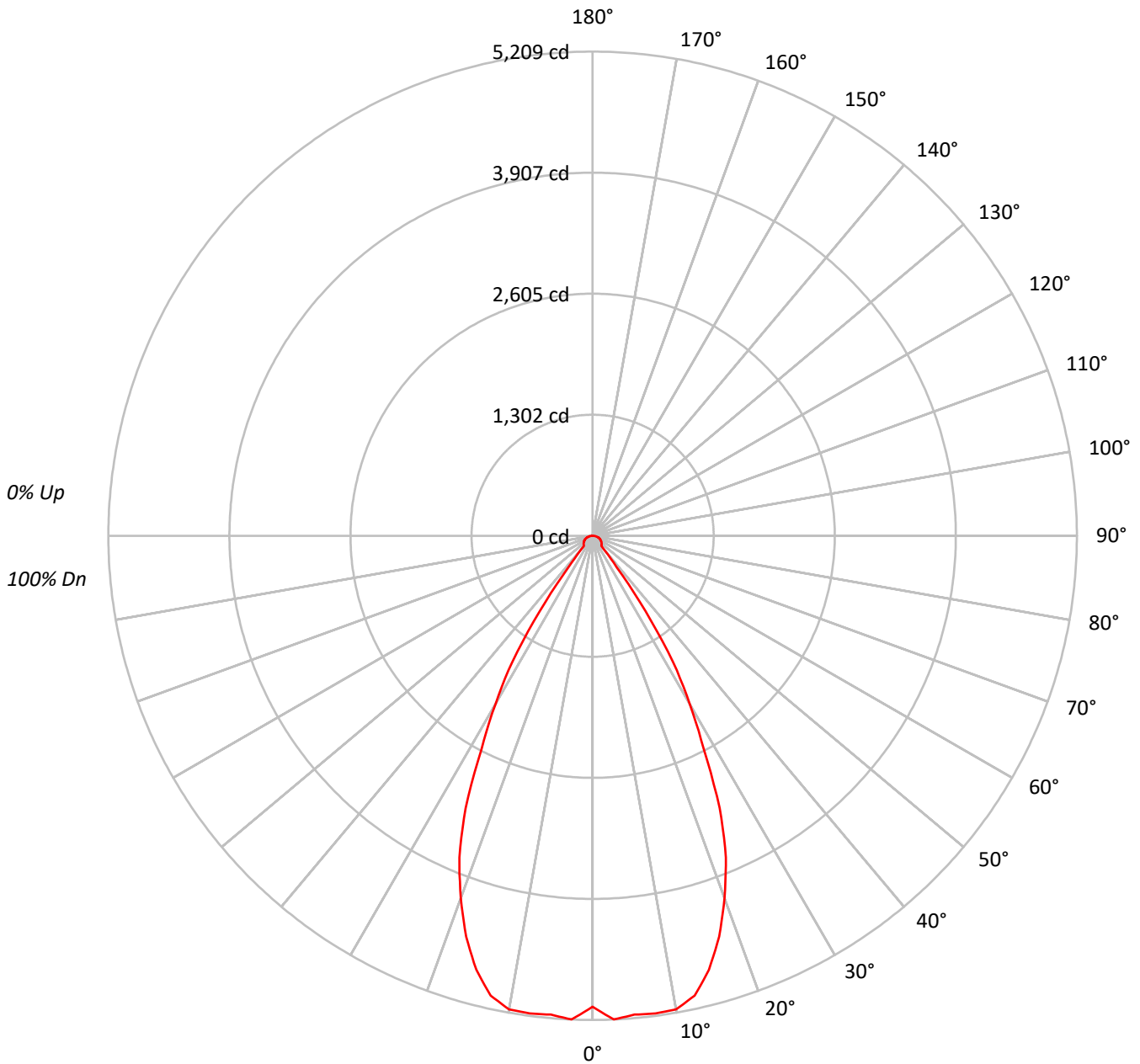


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	50	30	10
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°	553548
5°	567156
10°	574014
15°	546821
20°	482125
25°	389962
30°	263770
35°	132182
40°	21437
45°	20984
50°	21400
55°	21735
60°	22333
65°	22854
70°	23384
75°	23640
80°	22840
85°	19055

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.2	11.6
10°-20°	1337.2	31.3
20°-30°	1438.7	33.7
30°-40°	625.4	14.7
40°-50°	105.0	2.5
50°-60°	102.1	2.4
60°-70°	87.4	2.0
70°-80°	58.5	1.4
80°-90°	17.5	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°	3270.1	76.7
0°-40°	3895.4	91.3
0°-60°	4102.6	96.2
0°-90°	4265.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4265.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5066	
5°	5171	494
15°	4834	1337
25°	3235	1439
35°	991	625
45°	136	105
55°	114	102
65°	88	87
75°	56	58
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5066.3
2.5°	5208.7
5°	5171.1
7.5°	5183.0
10°	5173.8
12.5°	5066.9
15°	4834.2
17.5°	4521.7
20°	4146.5
22.5°	3745.0
25°	3234.7
27.5°	2587.2
30°	2090.7
32.5°	1611.4
35°	991.0
37.5°	423.9
40°	150.3
42.5°	138.5
45°	135.8
47.5°	131.2
50°	125.9
52.5°	120.0
55°	114.1
57.5°	108.1
60°	102.2
62.5°	95.6
65°	88.4
67.5°	81.1
70°	73.2
72.5°	64.6
75°	56.0
77.5°	46.2
80°	36.3
82.5°	25.7
85°	15.2
87.5°	5.3
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)