

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: P792216

Luminaire Tested: LER6D35BD010-EC6DR7020359035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR7020359035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3879.1 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

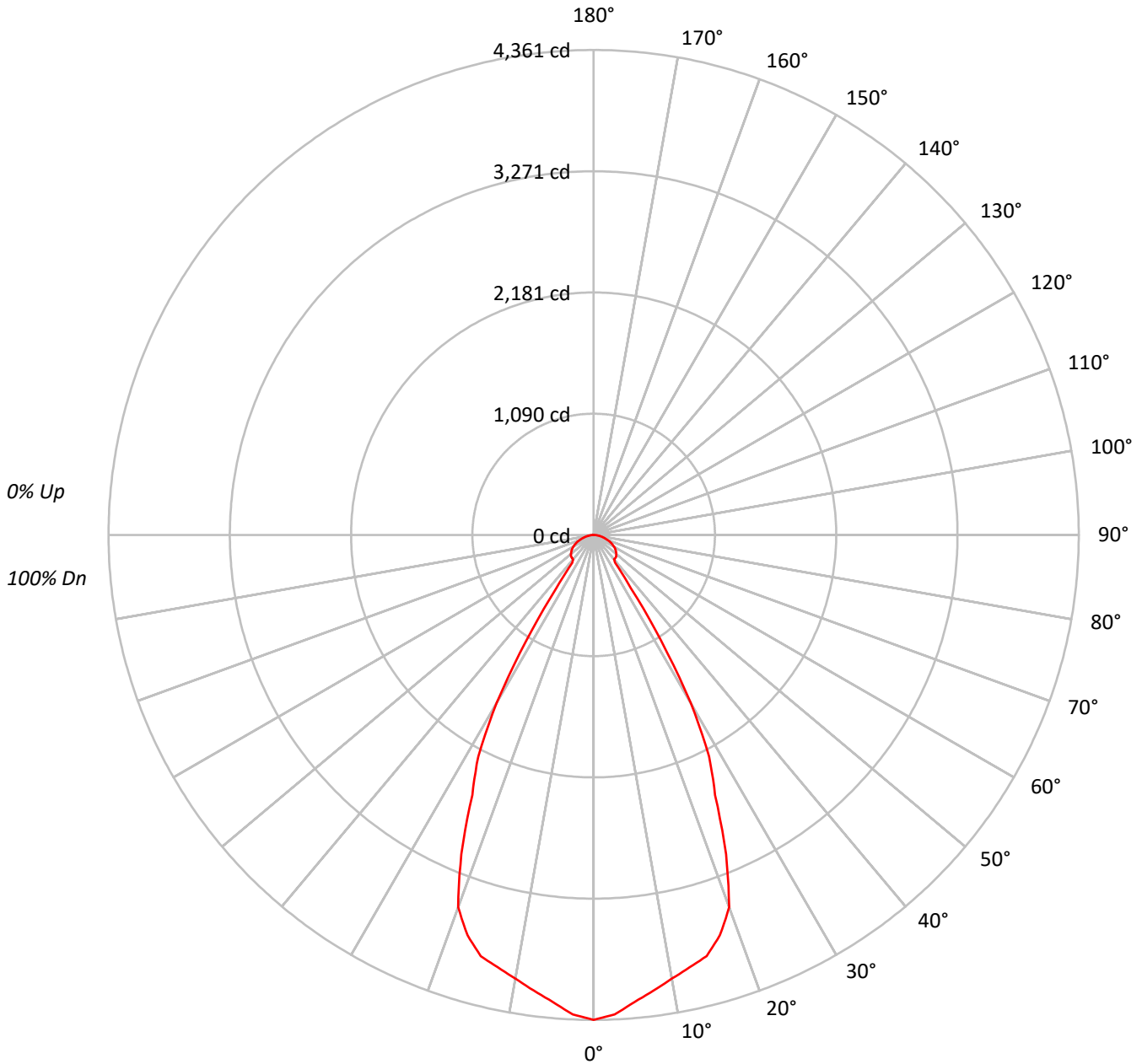


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	476508
5°	462348
10°	449454
15°	443558
20°	414199
25°	311167
30°	219966
35°	77922
40°	40963
45°	43636
50°	45181
55°	46042
60°	46327
65°	45347
70°	42807
75°	39640
80°	35173
85°	28583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 46344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.6	10.3
10°-20°	1090.6	28.1
20°-30°	1201.2	31.0
30°-40°	458.9	11.8
40°-50°	216.7	5.6
50°-60°	215.4	5.6
60°-70°	172.5	4.4
70°-80°	99.1	2.6
80°-90°	27.0	0.7
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°	2689.4	69.3
0°-40°	3148.4	81.2
0°-60°	3580.5	92.3
0°-90°	3879.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4361	
5°	4216	398
15°	3921	1091
25°	2581	1201
35°	584	459
45°	282	217
55°	242	215
65°	175	172
75°	94	99
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4361.2
2.5°	4315.6
5°	4215.5
7.5°	4131.9
10°	4051.1
12.5°	3982.8
15°	3921.3
17.5°	3772.9
20°	3562.3
22.5°	3107.9
25°	2581.1
27.5°	2246.9
30°	1743.5
32.5°	1126.2
35°	584.2
37.5°	315.6
40°	287.2
42.5°	285.2
45°	282.4
47.5°	276.2
50°	265.8
52.5°	254.1
55°	241.7
57.5°	227.9
60°	212.0
62.5°	194.0
65°	175.4
67.5°	154.7
70°	134.0
72.5°	113.2
75°	93.9
77.5°	73.9
80°	55.9
82.5°	39.4
85°	22.8
87.5°	9.0
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)