

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: P792200

Luminaire Tested: LER6D35BD010-EC6DR7020359027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792200
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-EC6DR7020359027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3726.0 lumens
Efficiency: N/A
Efficacy: 121.0 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

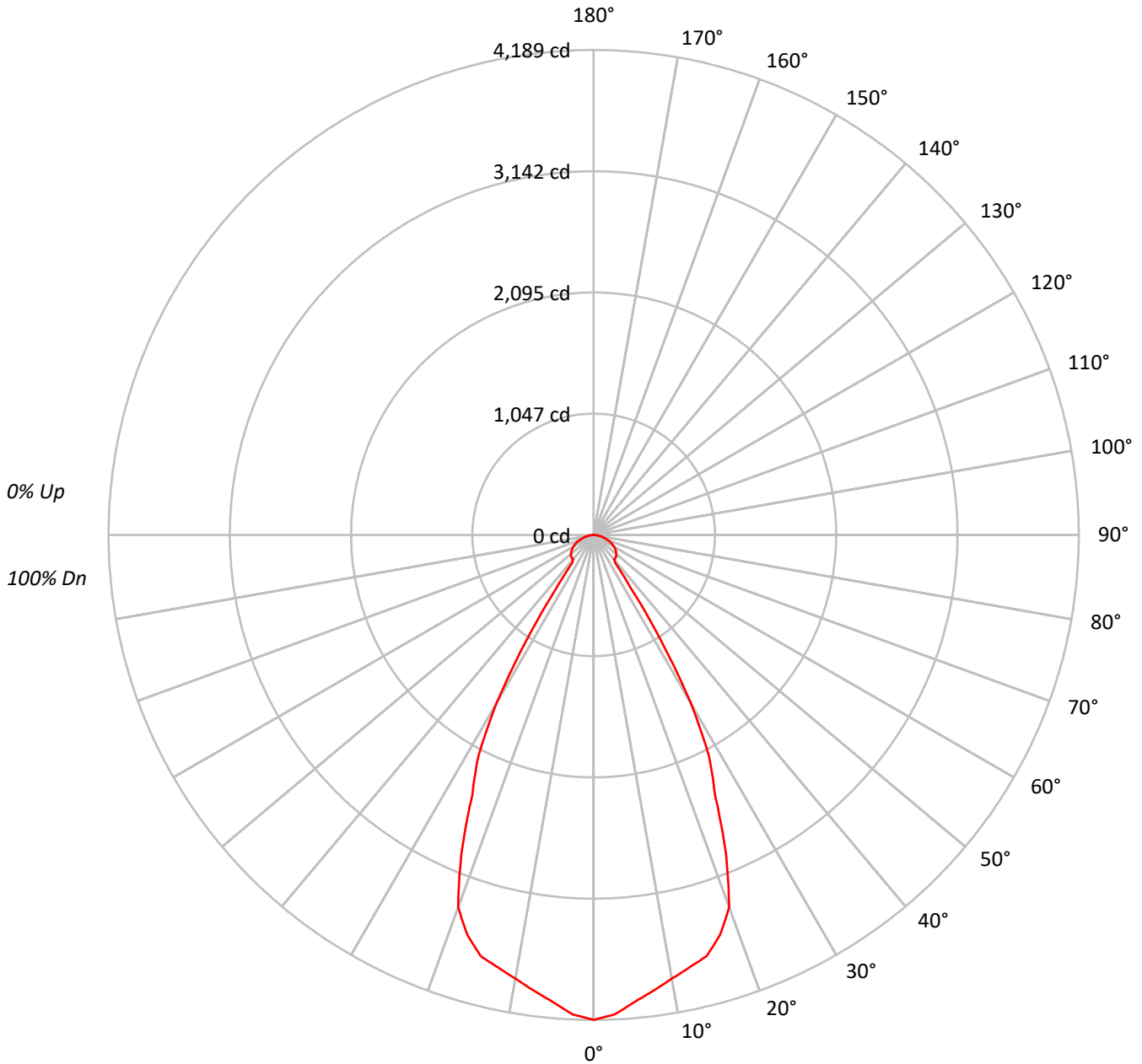


Downlight

TEST NUMBER: P792200

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457704
5°	444109
10°	431725
15°	426059
20°	397851
25°	298882
30°	211286
35°	74841
40°	39352
45°	41921
50°	43413
55°	44213
60°	44491
65°	43563
70°	41114
75°	38078
80°	33788
85°	27454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 44514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	10.3
10°-20°	1047.6	28.1
20°-30°	1153.8	31.0
30°-40°	440.8	11.8
40°-50°	208.2	5.6
50°-60°	206.9	5.6
60°-70°	165.7	4.4
70°-80°	95.2	2.6
80°-90°	25.9	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°	2583.3	69.3
0°-40°	3024.1	81.2
0°-60°	3439.2	92.3
0°-90°	3726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4189	
5°	4049	382
15°	3767	1048
25°	2479	1154
35°	561	441
45°	271	208
55°	232	207
65°	168	166
75°	90	95
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4189.1
2.5°	4145.3
5°	4049.2
7.5°	3968.9
10°	3891.3
12.5°	3825.6
15°	3766.6
17.5°	3624.0
20°	3421.7
22.5°	2985.3
25°	2479.2
27.5°	2158.2
30°	1674.7
32.5°	1081.8
35°	561.1
37.5°	303.1
40°	275.9
42.5°	273.9
45°	271.3
47.5°	265.3
50°	255.4
52.5°	244.1
55°	232.1
57.5°	218.9
60°	203.6
62.5°	186.4
65°	168.5
67.5°	148.6
70°	128.7
72.5°	108.8
75°	90.2
77.5°	71.0
80°	53.7
82.5°	37.8
85°	21.9
87.5°	8.6
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)