

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: P792690

Luminaire Tested: LER6D40BD010-EC6DR7040509030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792690
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: LER6D40BD010-EC6DR7040509030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.6 lumens
Efficiency: N/A
Efficacy: 100.3 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): 35.2
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

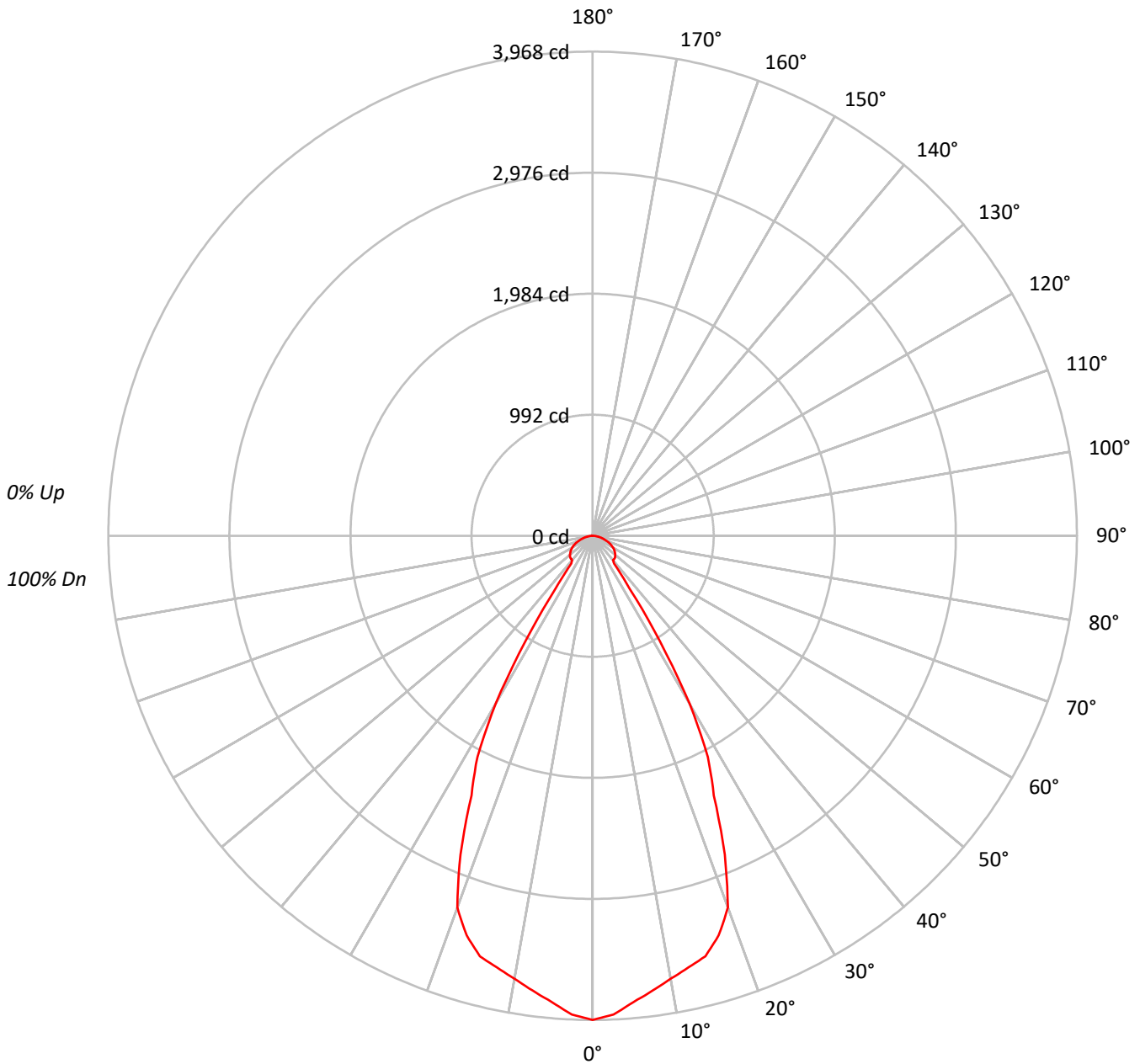


Downlight

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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			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°	433579
5°	420703
10°	408970
15°	403606
20°	376887
25°	283138
30°	200158
35°	70893
40°	37283
45°	39711
50°	41118
55°	41889
60°	42153
65°	41262
70°	38942
75°	36052
80°	32027
85°	25950

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 42155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.8	10.3
10°-20°	992.4	28.1
20°-30°	1093.0	31.0
30°-40°	417.6	11.8
40°-50°	197.2	5.6
50°-60°	196.0	5.6
60°-70°	157.0	4.4
70°-80°	90.2	2.6
80°-90°	24.5	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°	2447.2	69.3
0°-40°	2864.8	81.2
0°-60°	3258.0	92.3
0°-90°	3529.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3968	
5°	3836	362
15°	3568	992
25°	2349	1093
35°	532	418
45°	257	197
55°	220	196
65°	160	157
75°	85	90
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3968.3
2.5°	3926.9
5°	3835.8
7.5°	3759.7
10°	3686.2
12.5°	3624.0
15°	3568.1
17.5°	3433.0
20°	3241.4
22.5°	2828.0
25°	2348.6
27.5°	2044.5
30°	1586.5
32.5°	1024.8
35°	531.5
37.5°	287.1
40°	261.4
42.5°	259.5
45°	257.0
47.5°	251.3
50°	241.9
52.5°	231.2
55°	219.9
57.5°	207.3
60°	192.9
62.5°	176.6
65°	159.6
67.5°	140.7
70°	121.9
72.5°	103.0
75°	85.4
77.5°	67.2
80°	50.9
82.5°	35.8
85°	20.7
87.5°	8.2
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)