

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: P792706

Luminaire Tested: LER6D40BD010-EC6DR7040509040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792706
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-EC6DR7040509040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3733.6 lumens
Efficiency: N/A
Efficacy: 106.1 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

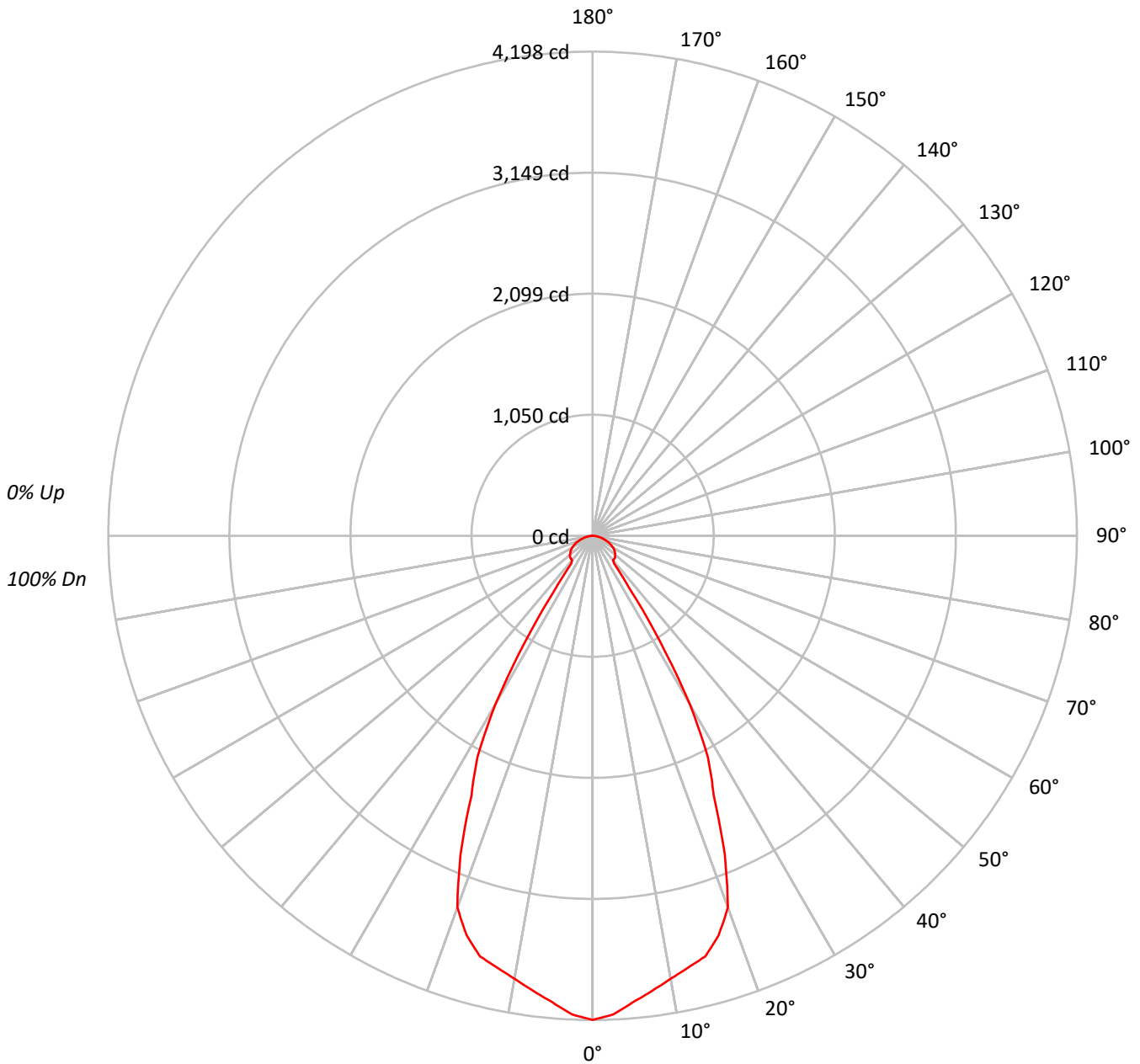


Downlight

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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°	458633
5°	445008
10°	432602
15°	426930
20°	398665
25°	299497
30°	211715
35°	75001
40°	39437
45°	41998
50°	43498
55°	44308
60°	44578
65°	43640
70°	41178
75°	38162
80°	33851
85°	27454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 44595 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	10.3
10°-20°	1049.7	28.1
20°-30°	1156.1	31.0
30°-40°	441.7	11.8
40°-50°	208.6	5.6
50°-60°	207.4	5.6
60°-70°	166.0	4.4
70°-80°	95.4	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°	2588.6	69.3
0°-40°	3030.3	81.2
0°-60°	3446.2	92.3
0°-90°	3733.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3733.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4198	
5°	4057	383
15°	3774	1050
25°	2484	1156
35°	562	442
45°	272	209
55°	233	207
65°	169	166
75°	90	95
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4197.6
2.5°	4153.7
5°	4057.4
7.5°	3977.0
10°	3899.2
12.5°	3833.4
15°	3774.3
17.5°	3631.4
20°	3428.7
22.5°	2991.4
25°	2484.3
27.5°	2162.6
30°	1678.1
32.5°	1084.0
35°	562.3
37.5°	303.7
40°	276.5
42.5°	274.5
45°	271.8
47.5°	265.8
50°	255.9
52.5°	244.6
55°	232.6
57.5°	219.3
60°	204.0
62.5°	186.8
65°	168.8
67.5°	148.9
70°	128.9
72.5°	109.0
75°	90.4
77.5°	71.1
80°	53.8
82.5°	37.9
85°	21.9
87.5°	8.6
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)