

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: P792608

Luminaire Tested: LER6D40BD010-EC6DR6040509040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792608
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: LER6D40BD010-EC6DR6040509040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4748.8 lumens
Efficiency: N/A
Efficacy: 134.9 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): 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

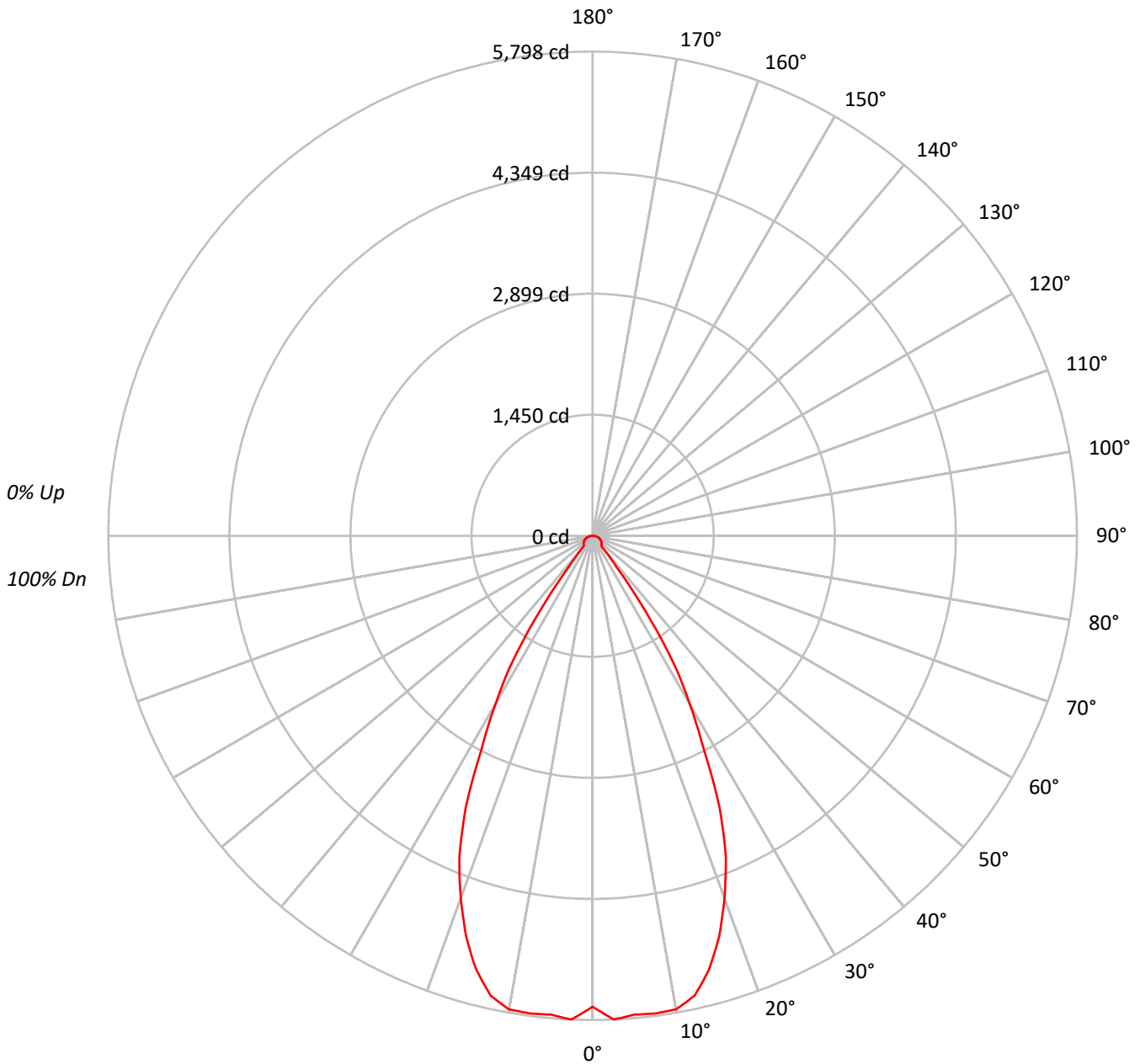


Downlight

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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			
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°	616209
5°	631362
10°	638984
15°	608717
20°	536704
25°	434098
30°	293633
35°	147135
40°	23862
45°	23363
50°	23831
55°	24192
60°	24868
65°	25440
70°	26036
75°	26342
80°	25420
85°	21186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.2	11.6
10°-20°	1488.5	31.3
20°-30°	1601.5	33.7
30°-40°	696.1	14.7
40°-50°	116.9	2.5
50°-60°	113.7	2.4
60°-70°	97.3	2.0
70°-80°	65.1	1.4
80°-90°	19.5	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°	3640.2	76.7
0°-40°	4336.4	91.3
0°-60°	4567.0	96.2
0°-90°	4748.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4748.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5640	
5°	5756	550
15°	5381	1489
25°	3601	1602
35°	1103	696
45°	151	117
55°	127	114
65°	98	97
75°	62	65
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5639.8
2.5°	5798.3
5°	5756.5
7.5°	5769.7
10°	5759.4
12.5°	5640.5
15°	5381.4
17.5°	5033.5
20°	4615.9
22.5°	4168.9
25°	3600.8
27.5°	2880.1
30°	2327.4
32.5°	1793.8
35°	1103.1
37.5°	471.9
40°	167.3
42.5°	154.1
45°	151.2
47.5°	146.1
50°	140.2
52.5°	133.6
55°	127.0
57.5°	120.4
60°	113.8
62.5°	106.4
65°	98.4
67.5°	90.3
70°	81.5
72.5°	71.9
75°	62.4
77.5°	51.4
80°	40.4
82.5°	28.6
85°	16.9
87.5°	5.9
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)