

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: P792616

Luminaire Tested: LER6D40BD010-EC6DR6040509050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792616
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-EC6DR6040509050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4782.7 lumens
Efficiency: N/A
Efficacy: 135.9 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

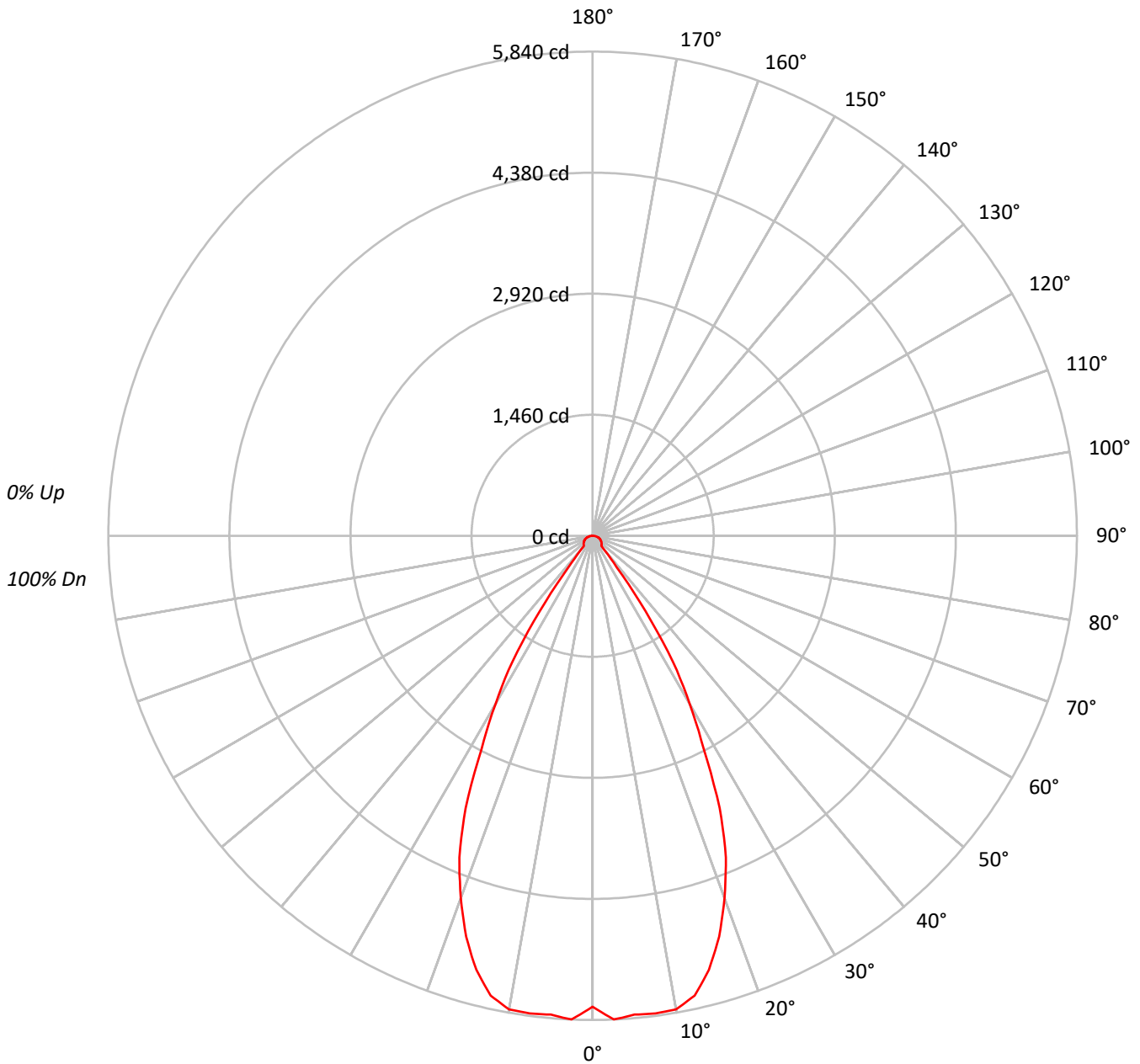


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	620612
5°	635870
10°	643555
15°	613072
20°	540541
25°	437196
30°	295727
35°	148188
40°	24033
45°	23533
50°	24001
55°	24364
60°	25043
65°	25621
70°	26227
75°	26511
80°	25609
85°	21312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.1	11.6
10°-20°	1499.2	31.3
20°-30°	1613.0	33.7
30°-40°	701.1	14.7
40°-50°	117.8	2.5
50°-60°	114.5	2.4
60°-70°	98.0	2.0
70°-80°	65.5	1.4
80°-90°	19.6	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°	3666.2	76.7
0°-40°	4367.4	91.3
0°-60°	4599.6	96.2
0°-90°	4782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4782.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5680	
5°	5798	554
15°	5420	1499
25°	3626	1613
35°	1111	701
45°	152	118
55°	128	114
65°	99	98
75°	63	66
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5680.1
2.5°	5839.7
5°	5797.6
7.5°	5810.9
10°	5800.6
12.5°	5680.8
15°	5419.9
17.5°	5069.5
20°	4648.9
22.5°	4198.7
25°	3626.5
27.5°	2900.6
30°	2344.0
32.5°	1806.6
35°	1111.0
37.5°	475.3
40°	168.5
42.5°	155.2
45°	152.3
47.5°	147.1
50°	141.2
52.5°	134.5
55°	127.9
57.5°	121.2
60°	114.6
62.5°	107.2
65°	99.1
67.5°	90.9
70°	82.1
72.5°	72.4
75°	62.8
77.5°	51.7
80°	40.7
82.5°	28.8
85°	17.0
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)