

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: P792329

Luminaire Tested: LER6D40BD010-EC6DR3040509050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR3040509050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4890.1 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

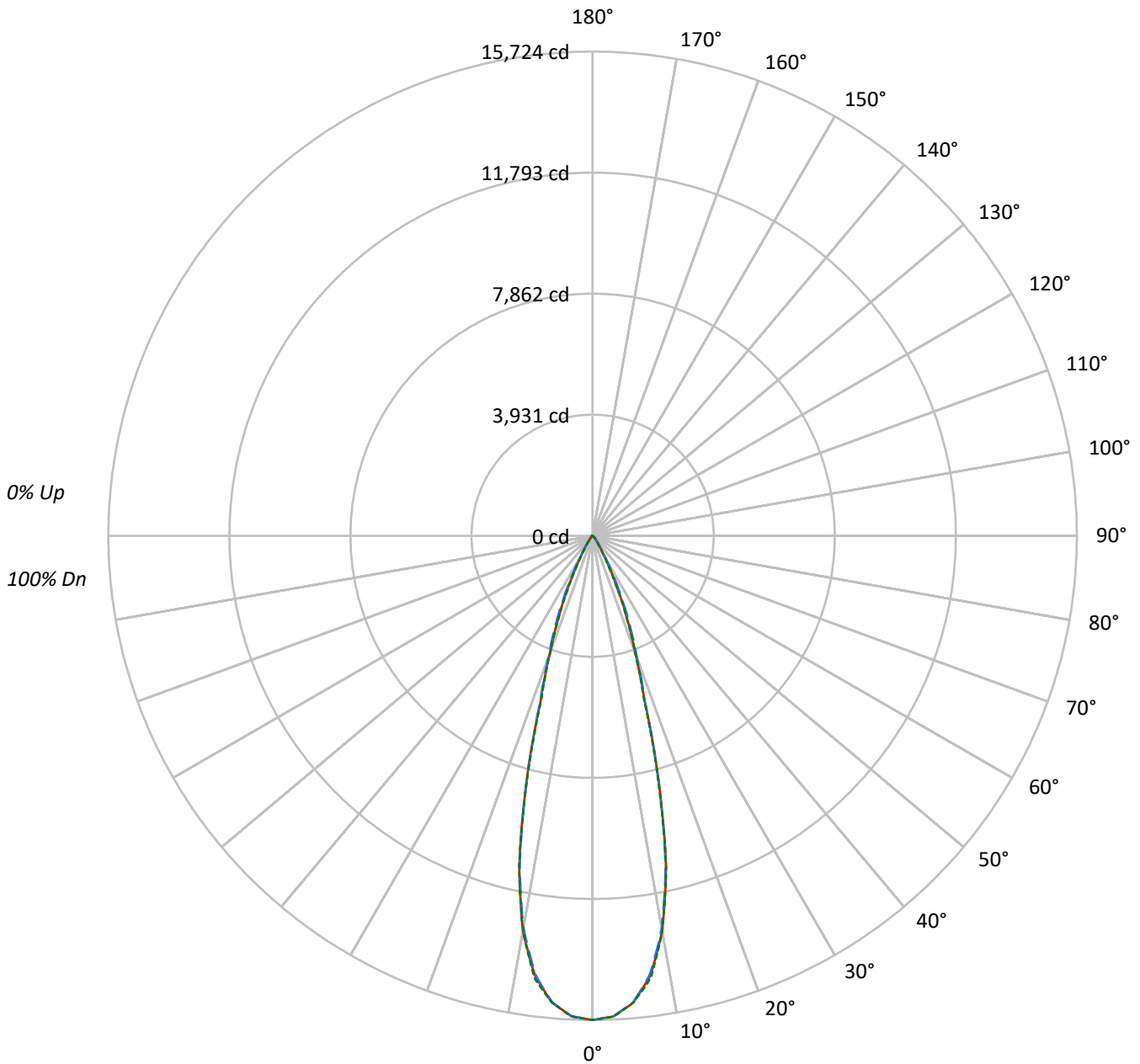


Downlight

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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1203576	1203576	1203576
5°	1169026	1167658	1169087
10°	1012552	1005409	1012311
15°	660638	657095	653791
20°	328503	340827	328063
25°	165475	186606	162089
30°	66253	72193	57724
35°	30733	29434	24669
40°	13269	14738	12500
45°	9364	11615	9439
50°	3215	8455	3406
55°	1855	3496	1962
60°	1301	1531	1301
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11615 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1382.7	28.3
10°-20°	2226.8	45.5
20°-30°	962.3	19.7
30°-40°	219.3	4.5
40°-50°	75.3	1.5
50°-60°	18.4	0.4
60°-70°	4.8	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
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°	4571.8	93.5
0°-40°	4791.1	98.0
0°-60°	4884.8	99.9
0°-90°	4890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4890.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15724	15724	15724	15724	15724	
5°	15215	15200	15197	15228	15215	1384
15°	8337	8236	8292	8265	8250	2232
25°	1959	2033	2210	1982	1919	938
35°	329	336	315	313	264	223
45°	86	107	107	107	87	61
55°	14	15	26	15	15	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15724.1	15724.1	15724.1	15724.1	15724.1
2.5°	15619.9	15609.1	15615.3	15623.0	15626.1
5°	15214.6	15199.9	15196.8	15228.5	15215.4
7.5°	14397.0	14376.2	14344.5	14416.3	14483.5
10°	13027.5	13004.3	12935.6	12969.6	13024.4
12.5°	11005.6	10930.8	10929.2	11037.3	11022.6
15°	8336.8	8236.5	8292.1	8265.0	8250.4
17.5°	5606.3	5567.7	5641.8	5619.4	5522.9
20°	4032.9	4043.0	4184.2	4113.2	4027.5
22.5°	2942.9	2979.2	3146.7	2963.7	2896.5
25°	1959.3	2033.4	2209.5	1981.7	1919.2
27.5°	1205.1	1239.1	1417.4	1189.7	1155.7
30°	749.6	732.6	816.8	701.0	653.1
32.5°	491.8	470.1	497.2	446.2	407.6
35°	328.9	335.8	315.0	312.7	264.0
37.5°	205.4	236.2	208.4	222.3	169.8
40°	132.8	171.4	147.5	162.9	125.1
42.5°	108.9	132.0	121.2	128.9	111.2
45°	86.5	107.3	107.3	107.3	87.2
47.5°	47.9	71.8	91.9	73.3	51.0
50°	27.0	36.3	71.0	37.8	28.6
52.5°	18.5	20.8	48.6	21.6	19.3
55°	13.9	14.7	26.2	15.4	14.7
57.5°	10.8	11.6	13.9	11.6	10.8
60°	8.5	8.5	10.0	9.3	8.5
62.5°	6.2	6.2	6.9	6.2	6.2
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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