

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: P792309

Luminaire Tested: LER6D40BD010-EC6DR3040509030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792309
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-EC6DR3040509030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4831.8 lumens
Efficiency: N/A
Efficacy: 137.3 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

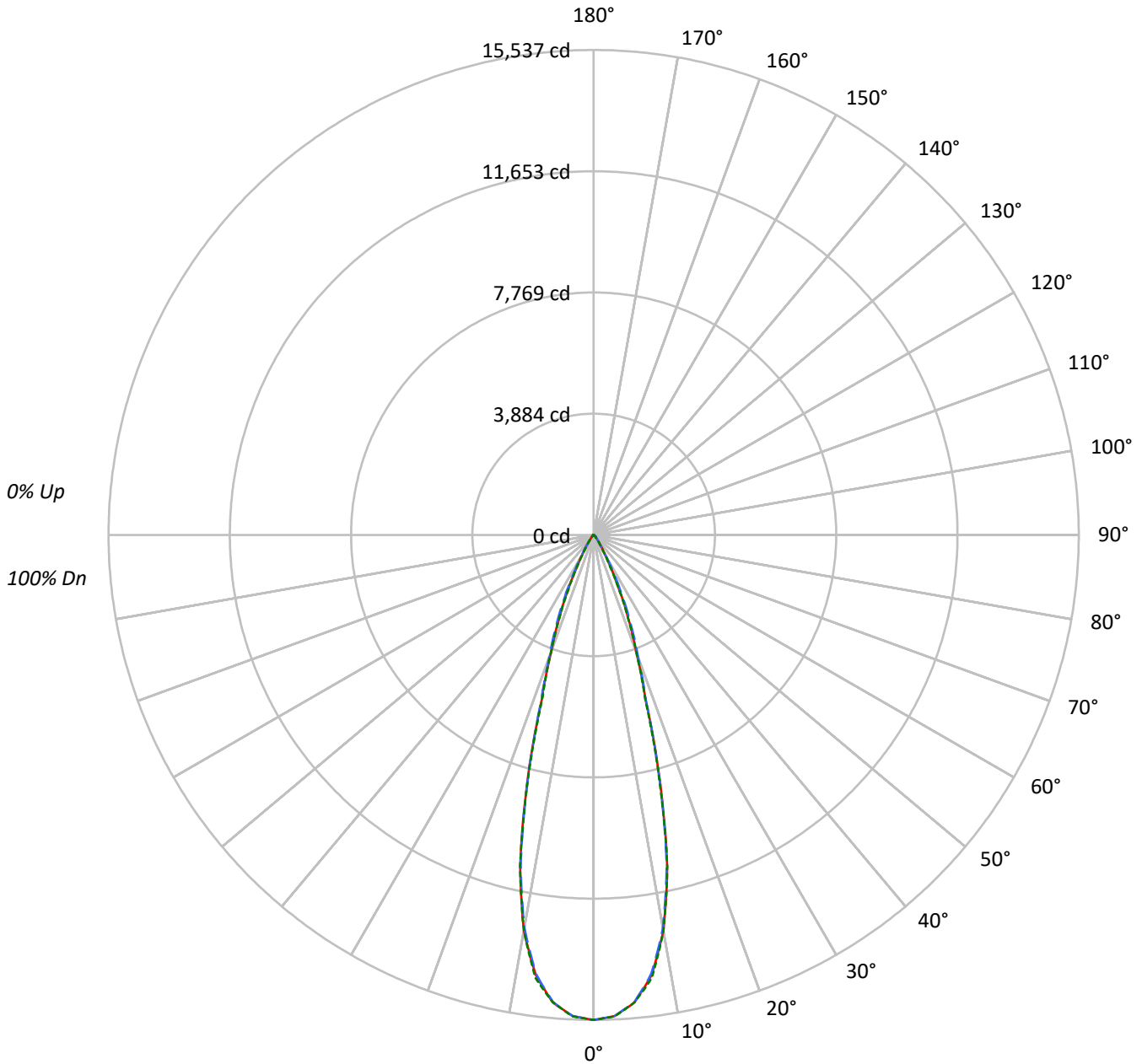


Downlight

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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1189224	1189224	1189224
5°	1155088	1153735	1155141
10°	1000481	993424	1000241
15°	652761	649258	645993
20°	324585	336771	324153
25°	163507	184377	160154
30°	65467	71326	57035
35°	30369	29079	24379
40°	13110	14558	12350
45°	9244	11474	9331
50°	3179	8359	3358
55°	1828	3456	1935
60°	1286	1516	1286
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: 11474 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1366.2	28.3
10°-20°	2200.3	45.5
20°-30°	950.8	19.7
30°-40°	216.7	4.5
40°-50°	74.4	1.5
50°-60°	18.2	0.4
60°-70°	4.7	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°	4517.3	93.5
0°-40°	4734.0	98.0
0°-60°	4826.6	99.9
0°-90°	4831.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4831.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15537	15537	15537	15537	15537	
5°	15033	15019	15016	15047	15034	1367
15°	8237	8138	8193	8166	8152	2206
25°	1936	2009	2183	1958	1896	927
35°	325	332	311	309	261	220
45°	85	106	106	106	86	61
55°	14	14	26	15	14	13
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°	15536.6	15536.6	15536.6	15536.6	15536.6
2.5°	15433.7	15423.0	15429.1	15436.7	15439.8
5°	15033.2	15018.7	15015.6	15046.9	15033.9
7.5°	14225.4	14204.8	14173.5	14244.5	14310.8
10°	12872.2	12849.3	12781.4	12815.0	12869.1
12.5°	10874.4	10800.4	10798.9	10905.7	10891.2
15°	8237.4	8138.3	8193.2	8166.5	8152.0
17.5°	5539.4	5501.3	5574.5	5552.4	5457.0
20°	3984.8	3994.8	4134.4	4064.2	3979.5
22.5°	2907.8	2943.6	3109.2	2928.4	2862.0
25°	1936.0	2009.2	2183.1	1958.1	1896.3
27.5°	1190.7	1224.3	1400.5	1175.5	1141.9
30°	740.7	723.9	807.0	692.6	645.3
32.5°	485.9	464.5	491.2	440.9	402.8
35°	325.0	331.8	311.2	308.9	260.9
37.5°	202.9	233.4	206.0	219.7	167.8
40°	131.2	169.3	145.7	160.9	123.6
42.5°	107.6	130.4	119.8	127.4	109.8
45°	85.4	106.0	106.0	106.0	86.2
47.5°	47.3	70.9	90.8	72.5	50.3
50°	26.7	35.9	70.2	37.4	28.2
52.5°	18.3	20.6	48.1	21.4	19.1
55°	13.7	14.5	25.9	15.3	14.5
57.5°	10.7	11.4	13.7	11.4	10.7
60°	8.4	8.4	9.9	9.2	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
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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