

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: P792290

Luminaire Tested: LER6D40BD010-EC6DR3040509024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792290
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-EC6DR3040509024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3341.6 lumens
Efficiency: N/A
Efficacy: 94.9 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

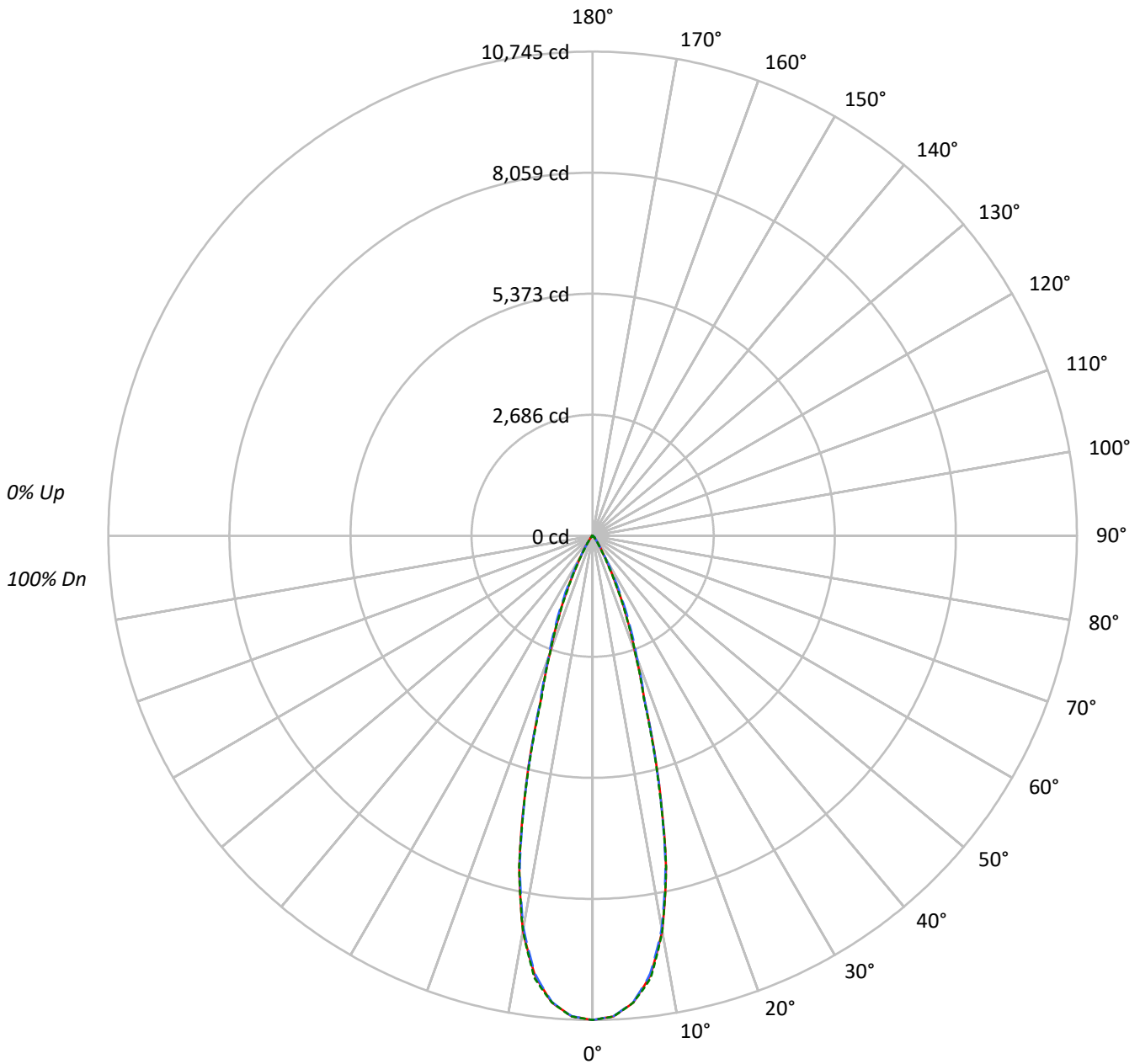


Downlight

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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	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°	822459	822459	822459
5°	798854	797917	798892
10°	691924	687043	691761
15°	451451	449026	446767
20°	224484	232907	224183
25°	113079	127512	110764
30°	45271	49328	39446
35°	20996	20109	16857
40°	9063	10072	8543
45°	6397	7935	6452
50°	2203	5775	2322
55°	1268	2389	1334
60°	888	1056	888
65°	580	580	580
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7935 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	944.9	28.3
10°-20°	1521.7	45.5
20°-30°	657.6	19.7
30°-40°	149.9	4.5
40°-50°	51.5	1.5
50°-60°	12.6	0.4
60°-70°	3.3	0.1
70°-80°	0.3	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°	3124.1	93.5
0°-40°	3274.0	98.0
0°-60°	3338.0	99.9
0°-90°	3341.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3341.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10745	10745	10745	10745	10745	
5°	10397	10387	10385	10406	10397	946
15°	5697	5628	5666	5648	5638	1525
25°	1339	1390	1510	1354	1312	641
35°	225	230	215	214	180	152
45°	59	73	73	73	60	42
55°	10	10	18	11	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10745.0	10745.0	10745.0	10745.0	10745.0
2.5°	10673.8	10666.4	10670.7	10675.9	10678.0
5°	10396.9	10386.8	10384.7	10406.4	10397.4
7.5°	9838.2	9823.9	9802.3	9851.4	9897.3
10°	8902.3	8886.5	8839.5	8862.8	8900.2
12.5°	7520.7	7469.5	7468.5	7542.3	7532.3
15°	5697.0	5628.4	5666.4	5647.9	5637.9
17.5°	3831.0	3804.7	3855.3	3840.0	3774.1
20°	2755.9	2762.8	2859.3	2810.8	2752.2
22.5°	2011.0	2035.8	2150.3	2025.2	1979.3
25°	1338.9	1389.6	1509.8	1354.2	1311.5
27.5°	823.5	846.7	968.6	812.9	789.7
30°	512.2	500.6	558.1	479.0	446.3
32.5°	336.0	321.3	339.7	304.9	278.5
35°	224.7	229.5	215.2	213.7	180.4
37.5°	140.3	161.4	142.4	151.9	116.1
40°	90.7	117.1	100.8	111.3	85.5
42.5°	74.4	90.2	82.8	88.1	76.0
45°	59.1	73.3	73.3	73.3	59.6
47.5°	32.7	49.1	62.8	50.1	34.8
50°	18.5	24.8	48.5	25.8	19.5
52.5°	12.7	14.2	33.2	14.8	13.2
55°	9.5	10.0	17.9	10.6	10.0
57.5°	7.4	7.9	9.5	7.9	7.4
60°	5.8	5.8	6.9	6.3	5.8
62.5°	4.2	4.2	4.7	4.2	4.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	1.6	2.1	2.1	2.1	2.1
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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