

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: P771832

Luminaire Tested: LD6D80BD010-EU6DR3070959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771832
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: LD6D80BD010-EU6DR3070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6511.4 lumens
Efficiency: N/A
Efficacy: 82.5 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): 78.9
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

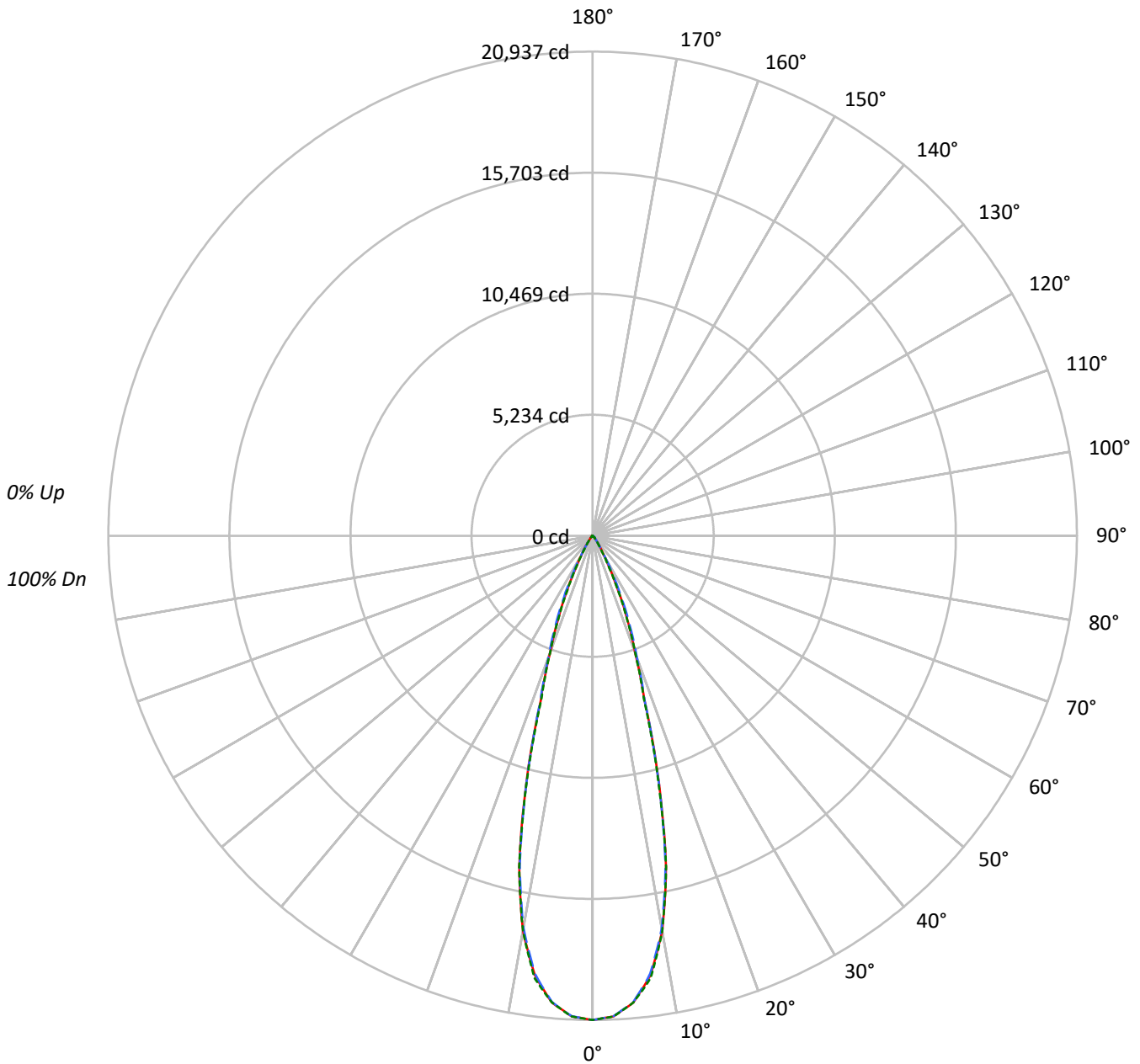


Downlight

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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°	1602612	1602612	1602612
5°	1556601	1554787	1556678
10°	1348251	1338745	1347932
15°	879667	874944	870546
20°	437418	453831	436831
25°	220338	248470	215828
30°	88217	96127	76859
35°	40918	39190	32854
40°	17666	19614	16637
45°	12459	15469	12578
50°	4287	11265	4525
55°	2469	4671	2602
60°	1730	2051	1730
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15469 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1841.1	28.3
10°-20°	2965.1	45.5
20°-30°	1281.3	19.7
30°-40°	292.0	4.5
40°-50°	100.3	1.5
50°-60°	24.5	0.4
60°-70°	6.4	0.1
70°-80°	0.7	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°	6087.6	93.5
0°-40°	6379.6	98.0
0°-60°	6504.4	99.9
0°-90°	6511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6511.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20937	20937	20937	20937	20937	
5°	20259	20239	20235	20277	20260	1843
15°	11101	10967	11041	11005	10986	2972
25°	2609	2708	2942	2639	2556	1249
35°	438	447	419	416	352	297
45°	115	143	143	143	116	82
55°	18	20	35	21	20	18
65°	6	6	6	6	6	6
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°	20937.3	20937.3	20937.3	20937.3	20937.3
2.5°	20798.5	20784.1	20792.3	20802.6	20806.7
5°	20258.8	20239.3	20235.2	20277.3	20259.8
7.5°	19170.2	19142.5	19100.3	19195.9	19285.3
10°	17346.6	17315.8	17224.3	17269.5	17342.5
12.5°	14654.4	14554.7	14552.7	14696.6	14677.1
15°	11100.8	10967.2	11041.2	11005.2	10985.7
17.5°	7465.0	7413.6	7512.3	7482.4	7353.9
20°	5370.0	5383.4	5571.5	5476.9	5362.8
22.5°	3918.5	3966.9	4189.9	3946.3	3856.9
25°	2608.9	2707.6	2942.0	2638.7	2555.5
27.5°	1604.6	1649.9	1887.3	1584.1	1538.8
30°	998.1	975.5	1087.6	933.4	869.6
32.5°	654.8	626.0	662.0	594.2	542.8
35°	437.9	447.2	419.4	416.3	351.6
37.5°	273.4	314.6	277.5	296.0	226.1
40°	176.8	228.2	196.3	216.9	166.5
42.5°	144.9	175.8	161.4	171.7	148.0
45°	115.1	142.9	142.9	142.9	116.2
47.5°	63.7	95.6	122.3	97.7	67.8
50°	36.0	48.3	94.6	50.4	38.0
52.5°	24.7	27.8	64.8	28.8	25.7
55°	18.5	19.5	35.0	20.6	19.5
57.5°	14.4	15.4	18.5	15.4	14.4
60°	11.3	11.3	13.4	12.3	11.3
62.5°	8.2	8.2	9.3	8.2	8.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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