

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: P768764

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768764
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: LD6D60D010-EU6DR3055659040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5954.3 lumens
Efficiency: N/A
Efficacy: 92.5 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): 64.4
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

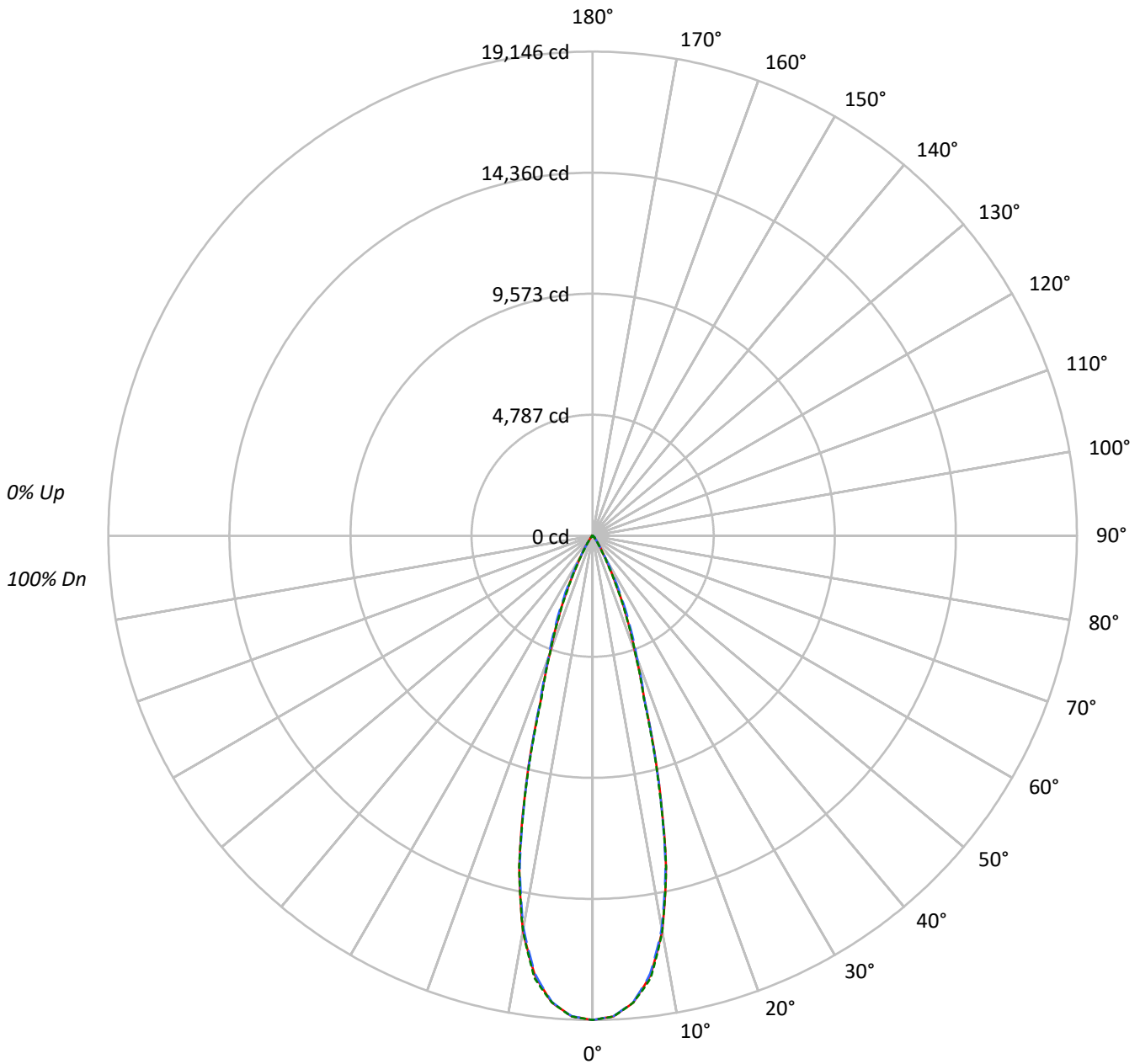


Downlight

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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°	1465500	1465500	1465500
5°	1423429	1421769	1423506
10°	1232908	1224211	1232613
15°	804409	800090	796065
20°	399997	415001	399459
25°	201487	227213	197366
30°	80669	87899	70284
35°	37414	35835	30042
40°	16157	17936	15218
45°	11399	14148	11496
50°	3918	10300	4144
55°	2255	4270	2389
60°	1577	1868	1577
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14148 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1683.6	28.3
10°-20°	2711.5	45.5
20°-30°	1171.7	19.7
30°-40°	267.0	4.5
40°-50°	91.7	1.5
50°-60°	22.4	0.4
60°-70°	5.8	0.1
70°-80°	0.6	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°	5566.8	93.5
0°-40°	5833.8	98.0
0°-60°	5947.9	99.9
0°-90°	5954.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5954.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19146	19146	19146	19146	19146	
5°	18526	18508	18504	18543	18527	1685
15°	10151	10029	10097	10064	10046	2718
25°	2386	2476	2690	2413	2337	1142
35°	400	409	384	381	322	272
45°	105	131	131	131	106	75
55°	17	18	32	19	18	16
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°	19146.0	19146.0	19146.0	19146.0	19146.0
2.5°	19019.1	19006.0	19013.5	19022.9	19026.7
5°	18525.6	18507.8	18504.0	18542.6	18526.6
7.5°	17530.2	17504.8	17466.2	17553.7	17635.5
10°	15862.6	15834.4	15750.7	15792.1	15858.8
12.5°	13400.7	13309.5	13307.7	13439.3	13421.4
15°	10151.1	10028.9	10096.6	10063.7	10045.8
17.5°	6826.3	6779.3	6869.6	6842.3	6724.8
20°	4910.6	4922.8	5094.8	5008.4	4904.0
22.5°	3583.3	3627.5	3831.5	3608.7	3526.9
25°	2385.7	2476.0	2690.3	2413.0	2336.9
27.5°	1467.3	1508.7	1725.9	1448.5	1407.2
30°	912.7	892.1	994.5	853.5	795.2
32.5°	598.8	572.5	605.4	543.3	496.3
35°	400.4	408.9	383.5	380.7	321.5
37.5°	250.0	287.6	253.8	270.7	206.8
40°	161.7	208.7	179.5	198.3	152.3
42.5°	132.5	160.7	147.6	157.0	135.4
45°	105.3	130.7	130.7	130.7	106.2
47.5°	58.3	87.4	111.9	89.3	62.0
50°	32.9	44.2	86.5	46.1	34.8
52.5°	22.6	25.4	59.2	26.3	23.5
55°	16.9	17.9	32.0	18.8	17.9
57.5°	13.2	14.1	16.9	14.1	13.2
60°	10.3	10.3	12.2	11.3	10.3
62.5°	7.5	7.5	8.5	7.5	7.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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