

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: P771052

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771052
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: LD6D75BD010-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: 5747.4 lumens
Efficiency: N/A
Efficacy: 79.4 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

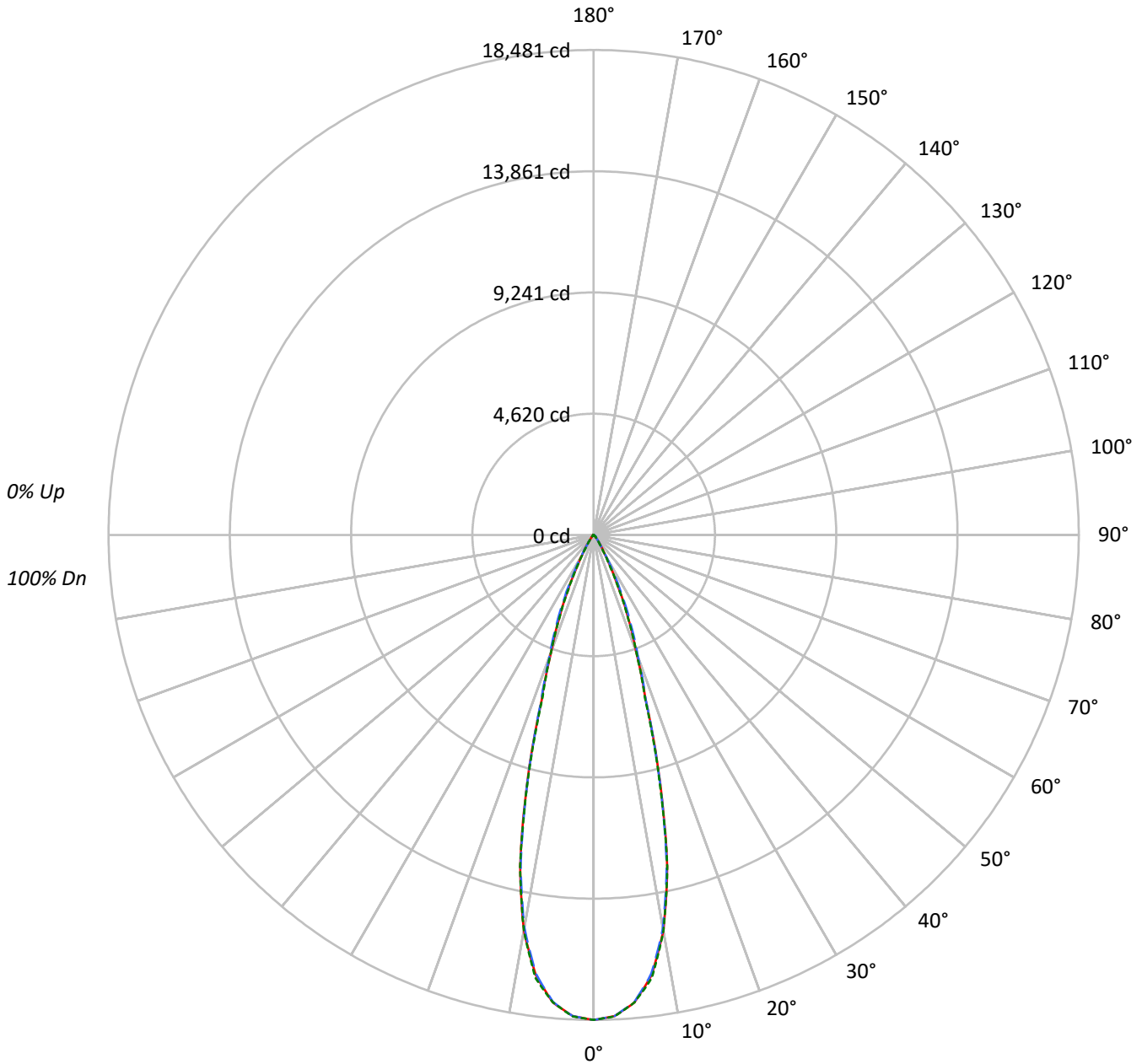
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1414568	1414568	1414568
5°	1373954	1372356	1374024
10°	1190059	1181664	1189771
15°	776452	772284	768401
20°	386092	400575	385579
25°	194486	219316	190500
30°	77867	84849	67844
35°	36115	34592	28995
40°	15598	17316	14688
45°	10998	13650	11095
50°	3787	9943	4001
55°	2175	4110	2295
60°	1531	1806	1531
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13650 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1625.1	28.3
10°-20°	2617.2	45.5
20°-30°	1131.0	19.7
30°-40°	257.8	4.5
40°-50°	88.5	1.5
50°-60°	21.6	0.4
60°-70°	5.6	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°	5373.3	93.5
0°-40°	5631.1	98.0
0°-60°	5741.2	99.9
0°-90°	5747.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5747.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18481	18481	18481	18481	18481	
5°	17882	17864	17861	17898	17883	1626
15°	9798	9680	9746	9714	9697	2624
25°	2303	2390	2597	2329	2256	1102
35°	386	395	370	368	310	262
45°	102	126	126	126	102	72
55°	16	17	31	18	17	16
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°	18480.6	18480.6	18480.6	18480.6	18480.6
2.5°	18358.1	18345.4	18352.6	18361.7	18365.3
5°	17881.7	17864.5	17860.9	17898.1	17882.6
7.5°	16920.9	16896.4	16859.2	16943.6	17022.5
10°	15311.3	15284.0	15203.3	15243.2	15307.6
12.5°	12935.0	12846.9	12845.1	12972.2	12954.9
15°	9798.3	9680.3	9745.7	9713.9	9696.7
17.5°	6589.1	6543.7	6630.8	6604.5	6491.1
20°	4739.9	4751.7	4917.7	4834.3	4733.6
22.5°	3458.8	3501.4	3698.3	3483.3	3404.3
25°	2302.8	2389.9	2596.8	2329.1	2255.6
27.5°	1416.3	1456.3	1665.9	1398.2	1358.3
30°	881.0	861.1	960.0	823.9	767.6
32.5°	578.0	552.6	584.3	524.4	479.1
35°	386.5	394.7	370.2	367.5	310.3
37.5°	241.4	277.6	245.0	261.3	199.6
40°	156.1	201.4	173.3	191.4	147.0
42.5°	127.9	155.2	142.5	151.5	130.7
45°	101.6	126.1	126.1	126.1	102.5
47.5°	56.3	84.4	108.0	86.2	59.9
50°	31.8	42.6	83.5	44.5	33.6
52.5°	21.8	24.5	57.2	25.4	22.7
55°	16.3	17.2	30.8	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	10.0	10.0	11.8	10.9	10.0
62.5°	7.3	7.3	8.2	7.3	7.3
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	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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