

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: P771065

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771065
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-EU6DR3070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6510.5 lumens
Efficiency: N/A
Efficacy: 89.9 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

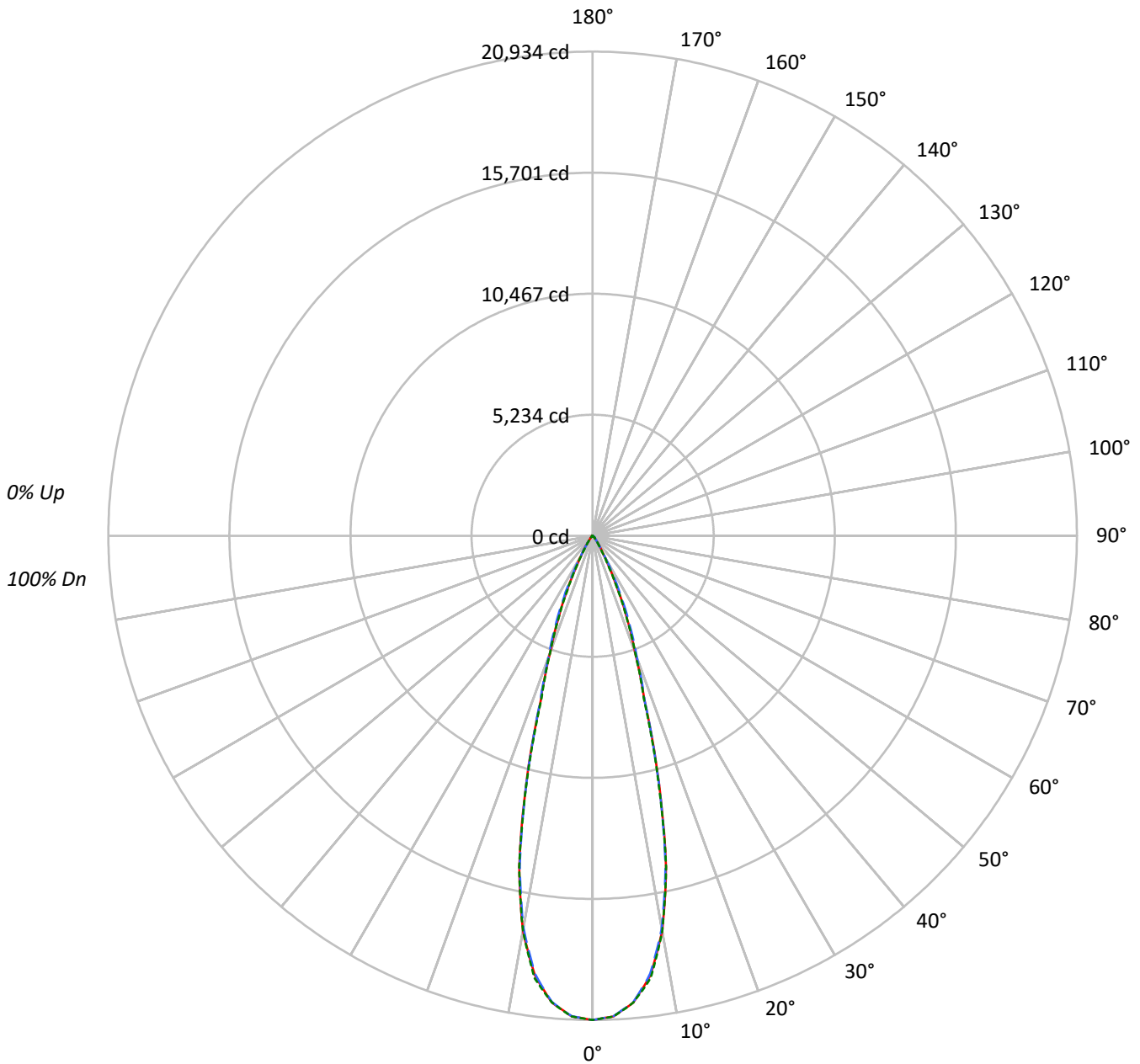
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1602390	1602390	1602390
5°	1556393	1554572	1556470
10°	1348072	1338566	1347753
15°	879548	874825	870427
20°	437361	453766	436774
25°	220313	248437	215794
30°	88208	96110	76850
35°	40909	39180	32845
40°	17666	19614	16637
45°	12459	15469	12568
50°	4287	11265	4525
55°	2469	4657	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°	1840.9	28.3
10°-20°	2964.7	45.5
20°-30°	1281.1	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°	6086.7	93.5
0°-40°	6378.7	98.0
0°-60°	6503.5	99.9
0°-90°	6510.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6510.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20934	20934	20934	20934	20934	
5°	20256	20236	20232	20275	20257	1842
15°	11099	10966	11040	11004	10984	2972
25°	2609	2707	2942	2638	2555	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°	20934.4	20934.4	20934.4	20934.4	20934.4
2.5°	20795.7	20781.3	20789.5	20799.8	20803.9
5°	20256.1	20236.5	20232.4	20274.6	20257.1
7.5°	19167.6	19139.9	19097.7	19193.3	19282.7
10°	17344.3	17313.5	17222.0	17267.2	17340.2
12.5°	14652.5	14552.8	14550.7	14694.6	14675.1
15°	11099.3	10965.7	11039.7	11003.7	10984.2
17.5°	7464.0	7412.6	7511.2	7481.4	7353.0
20°	5369.3	5382.6	5570.7	5476.2	5362.1
22.5°	3918.0	3966.3	4189.4	3945.8	3856.3
25°	2608.6	2707.3	2941.6	2638.4	2555.1
27.5°	1604.4	1649.6	1887.1	1583.9	1538.6
30°	998.0	975.4	1087.4	933.3	869.5
32.5°	654.7	625.9	661.9	594.1	542.7
35°	437.8	447.1	419.3	416.3	351.5
37.5°	273.4	314.5	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	171.6	148.0
45°	115.1	142.9	142.9	142.9	116.1
47.5°	63.7	95.6	122.3	97.6	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	34.9	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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