

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: P761973

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D20D010-EU6DR1515309035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1767.2 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (Ain): 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



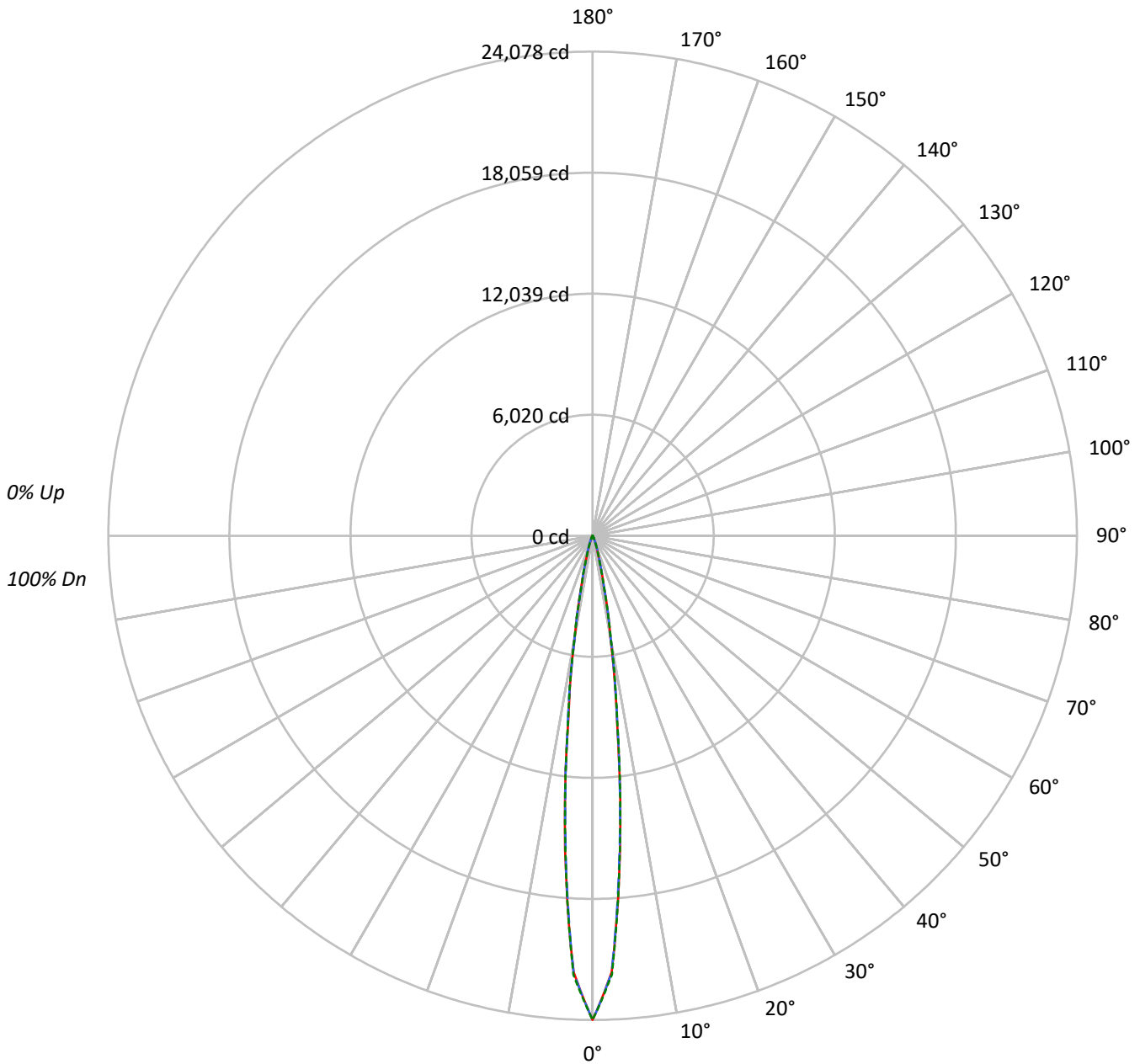
Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2709255	2709255	2709255
5°	1592088	1571478	1583907
10°	475160	478491	485815
15°	118195	120496	116779
20°	35364	40952	36117
25°	12464	15884	12628
30°	4583	6028	4658
35°	2295	2593	2222
40°	1449	1591	1449
45°	1071	1141	1071
50°	848	848	848
55°	710	710	710
60°	576	576	576
65°	435	435	435
70°	373	373	373
75°	234	234	310
80°	158	158	158
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1146.2	64.9
10°-20°	471.4	26.7
20°-30°	93.6	5.3
30°-40°	23.4	1.3
40°-50°	12.3	0.7
50°-60°	9.1	0.5
60°-70°	6.4	0.4
70°-80°	3.7	0.2
80°-90°	1.1	0.1
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°	1711.3	96.8
0°-40°	1734.6	98.2
0°-60°	1756.0	99.4
0°-90°	1767.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1767.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24078	24078	24078	24078	24078	
5°	15666	15505	15463	15570	15585	1144
15°	1361	1386	1387	1363	1344	467
25°	160	181	204	180	162	84
35°	32	34	36	34	31	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24078.0	24078.0	24078.0	24078.0	24078.0
2.5°	21719.4	21737.7	21744.8	21766.2	21845.8
5°	15665.7	15504.7	15462.9	15569.9	15585.2
7.5°	9279.8	9312.4	9431.6	9458.1	9362.3
10°	5092.4	5134.2	5128.1	5164.8	5206.6
12.5°	2604.3	2571.7	2561.5	2603.3	2545.2
15°	1360.8	1386.3	1387.3	1362.8	1344.5
17.5°	731.9	761.4	810.3	770.6	709.4
20°	432.2	458.7	500.5	467.9	441.4
22.5°	267.1	288.5	318.0	292.5	271.1
25°	160.0	181.4	203.9	180.4	162.1
27.5°	94.8	113.1	127.4	112.1	93.8
30°	61.2	71.4	80.5	70.3	62.2
32.5°	42.8	46.9	51.0	46.9	42.8
35°	31.6	33.6	35.7	33.6	30.6
37.5°	24.5	26.5	27.5	25.5	23.4
40°	20.4	21.4	22.4	21.4	20.4
42.5°	17.3	18.3	18.3	18.3	17.3
45°	15.3	15.3	16.3	15.3	15.3
47.5°	13.3	13.3	14.3	13.3	13.3
50°	12.2	12.2	12.2	12.2	12.2
52.5°	11.2	11.2	11.2	11.2	11.2
55°	10.2	10.2	10.2	10.2	10.2
57.5°	9.2	9.2	9.2	9.2	9.2
60°	8.2	8.2	8.2	8.2	8.2
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.1	3.1	3.1	3.1	4.1
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
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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