

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: P756953

Luminaire Tested: LD6D02D010-EU6DR150210IC9050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756953
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: LD6D02D010-EU6DR150210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 366.7 lumens
Efficiency: N/A
Efficacy: 71.9 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): 5.1
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



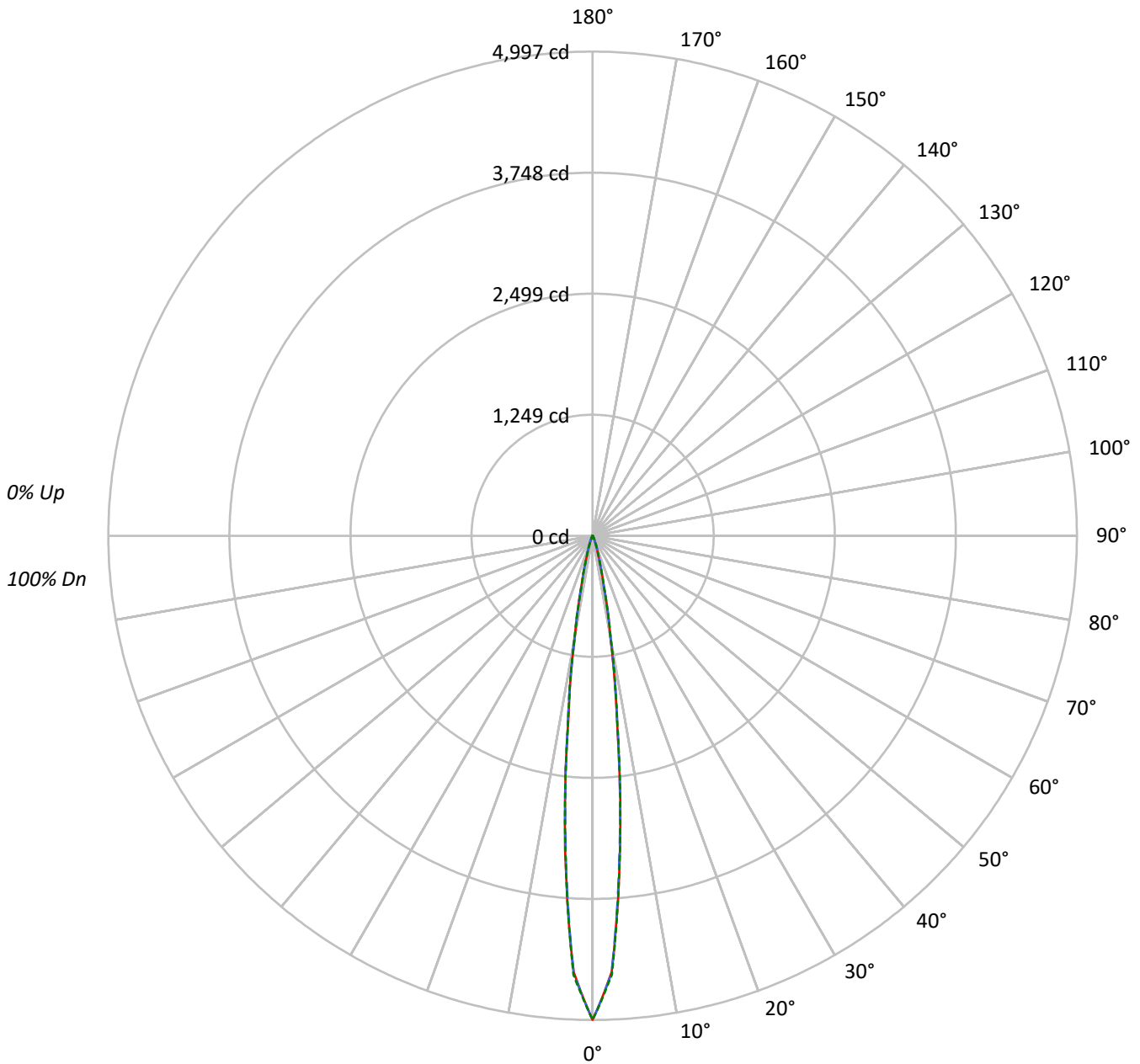
Downlight



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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	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	99	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	99	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°	562240	562240	562240
5°	330396	326117	328698
10°	98607	99298	100819
15°	24528	25006	24233
20°	7340	8501	7495
25°	2586	3295	2617
30°	951	1251	966
35°	479	537	458
40°	298	334	298
45°	224	238	224
50°	174	174	174
55°	146	146	146
60°	119	119	119
65°	93	93	93
70°	80	80	80
75°	45	45	60
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 238 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	64.9
10°-20°	97.8	26.7
20°-30°	19.4	5.3
30°-40°	4.9	1.3
40°-50°	2.5	0.7
50°-60°	1.9	0.5
60°-70°	1.4	0.4
70°-80°	0.7	0.2
80°-90°	0.2	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°	355.1	96.8
0°-40°	360.0	98.2
0°-60°	364.4	99.4
0°-90°	366.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4997	4997	4997	4997	4997	
5°	3251	3218	3209	3231	3234	237
15°	282	288	288	283	279	97
25°	33	38	42	37	34	17
35°	7	7	7	7	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	4996.8	4996.8	4996.8	4996.8	4996.8
2.5°	4507.3	4511.1	4512.6	4517.0	4533.5
5°	3251.0	3217.6	3208.9	3231.1	3234.3
7.5°	1925.8	1932.6	1957.3	1962.8	1942.9
10°	1056.8	1065.5	1064.2	1071.8	1080.5
12.5°	540.5	533.7	531.6	540.3	528.2
15°	282.4	287.7	287.9	282.8	279.0
17.5°	151.9	158.0	168.2	159.9	147.2
20°	89.7	95.2	103.9	97.1	91.6
22.5°	55.4	59.9	66.0	60.7	56.3
25°	33.2	37.7	42.3	37.4	33.6
27.5°	19.7	23.5	26.4	23.3	19.5
30°	12.7	14.8	16.7	14.6	12.9
32.5°	8.9	9.7	10.6	9.7	8.9
35°	6.6	7.0	7.4	7.0	6.3
37.5°	5.1	5.5	5.7	5.3	4.9
40°	4.2	4.4	4.7	4.4	4.2
42.5°	3.6	3.8	3.8	3.8	3.6
45°	3.2	3.2	3.4	3.2	3.2
47.5°	2.7	2.7	3.0	2.7	2.7
50°	2.5	2.5	2.5	2.5	2.5
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.1	2.1	2.1	2.1	2.1
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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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