

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: P787589

Luminaire Tested: LER6D05D010-EC6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787589
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: LER6D05D010-EC6DR150210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 800.2 lumens
Efficiency: N/A
Efficacy: 106.7 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): 7.5
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

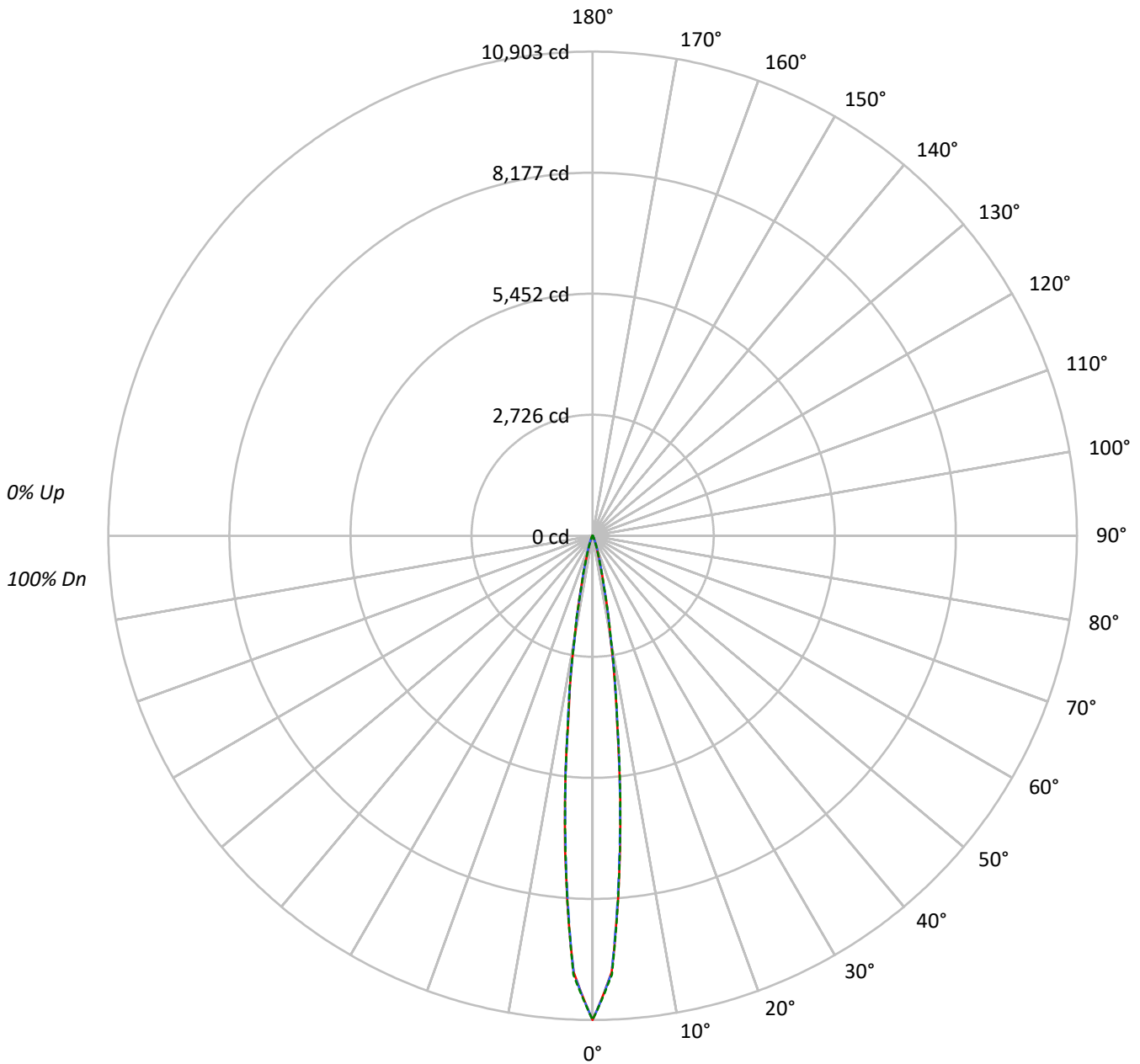


Downlight

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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	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°	1226828	1226828	1226828
5°	720945	711606	717236
10°	215167	216679	219991
15°	53521	54563	52878
20°	16013	18541	16356
25°	5648	7190	5718
30°	2074	2733	2112
35°	1038	1176	1002
40°	653	724	653
45°	483	518	483
50°	382	382	382
55°	320	320	320
60°	260	260	260
65°	200	200	200
70°	168	168	168
75°	106	106	136
80°	71	71	71
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 518 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.0	64.9
10°-20°	213.5	26.7
20°-30°	42.4	5.3
30°-40°	10.6	1.3
40°-50°	5.6	0.7
50°-60°	4.1	0.5
60°-70°	2.9	0.4
70°-80°	1.6	0.2
80°-90°	0.5	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°	774.9	96.8
0°-40°	785.5	98.2
0°-60°	795.2	99.4
0°-90°	800.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10903	10903	10903	10903	10903	
5°	7094	7021	7002	7050	7057	518
15°	616	628	628	617	609	211
25°	72	82	92	82	73	38
35°	14	15	16	15	14	10
45°	7	7	7	7	7	5
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10903.2	10903.2	10903.2	10903.2	10903.2
2.5°	9835.1	9843.4	9846.7	9856.4	9892.4
5°	7093.9	7020.9	7002.0	7050.5	7057.4
7.5°	4202.1	4216.9	4270.9	4282.9	4239.5
10°	2306.0	2324.9	2322.2	2338.8	2357.7
12.5°	1179.3	1164.5	1159.9	1178.8	1152.5
15°	616.2	627.7	628.2	617.1	608.8
17.5°	331.4	344.8	366.9	348.9	321.3
20°	195.7	207.7	226.6	211.9	199.9
22.5°	120.9	130.6	144.0	132.5	122.8
25°	72.5	82.2	92.3	81.7	73.4
27.5°	42.9	51.2	57.7	50.8	42.5
30°	27.7	32.3	36.5	31.8	28.2
32.5°	19.4	21.2	23.1	21.2	19.4
35°	14.3	15.2	16.2	15.2	13.8
37.5°	11.1	12.0	12.5	11.5	10.6
40°	9.2	9.7	10.2	9.7	9.2
42.5°	7.8	8.3	8.3	8.3	7.8
45°	6.9	6.9	7.4	6.9	6.9
47.5°	6.0	6.0	6.5	6.0	6.0
50°	5.5	5.5	5.5	5.5	5.5
52.5°	5.1	5.1	5.1	5.1	5.1
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.2	4.2	4.2	4.2	4.2
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.8
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
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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(END OF REPORT)