

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P787596

Luminaire Tested: LER6D05D010-EC6DR150210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787596
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-EC6DR150210IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 753.1 lumens
Efficiency: N/A
Efficacy: 100.4 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

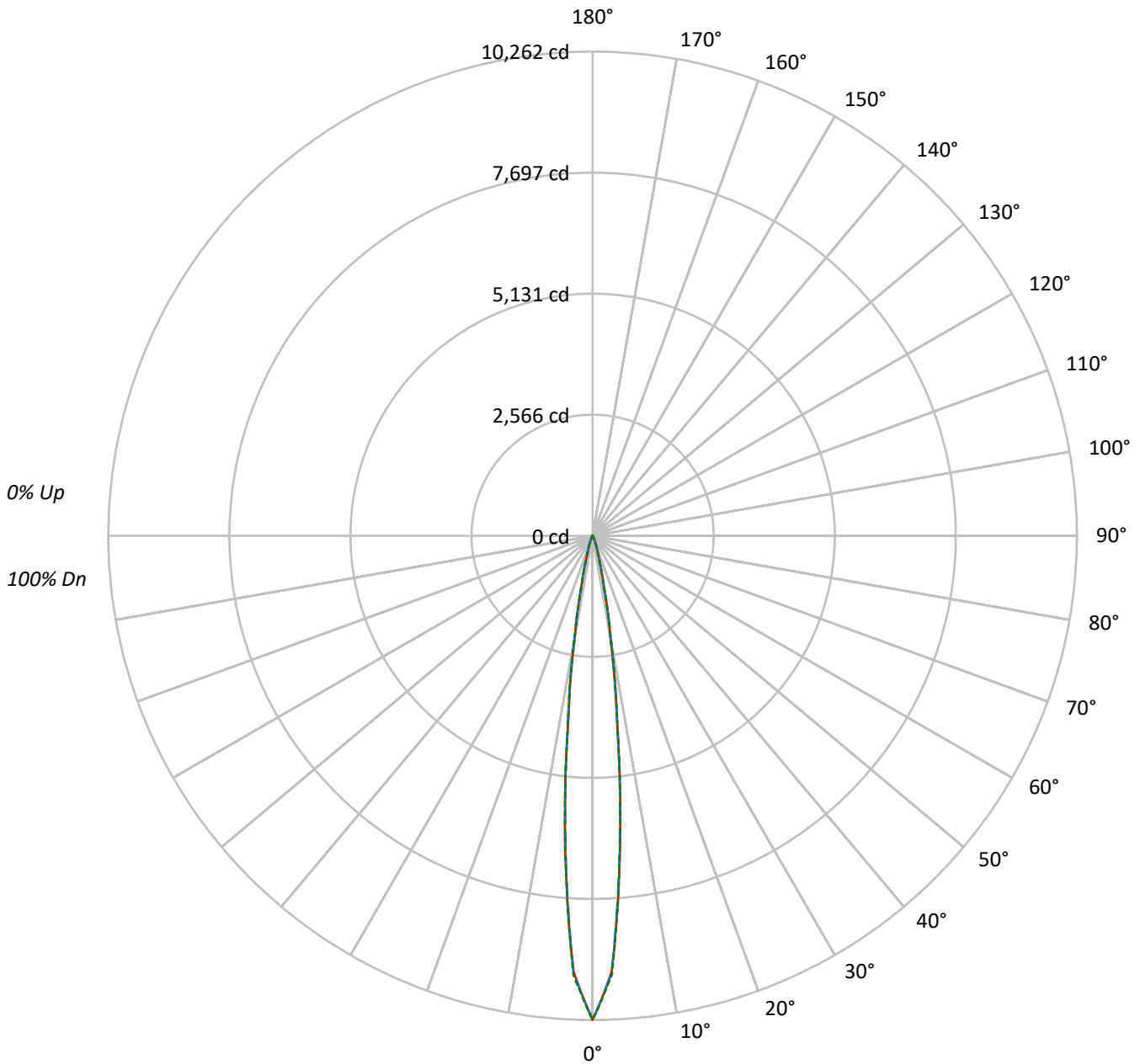


Downlight

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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					70					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°	1154623	1154623	1154623
5°	678515	669724	675029
10°	202505	203924	207040
15°	50368	51350	49769
20°	15072	17453	15391
25°	5313	6770	5383
30°	1954	2568	1984
35°	980	1104	944
40°	618	682	618
45°	455	490	455
50°	362	362	362
55°	299	299	299
60°	246	246	246
65°	186	186	186
70°	161	161	161
75°	98	98	128
80°	71	71	71
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.5	64.9
10°-20°	200.9	26.7
20°-30°	39.9	5.3
30°-40°	10.0	1.3
40°-50°	5.2	0.7
50°-60°	3.9	0.5
60°-70°	2.7	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°	729.3	96.8
0°-40°	739.3	98.2
0°-60°	748.4	99.4
0°-90°	753.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10262	10262	10262	10262	10262	
5°	6676	6608	6590	6636	6642	488
15°	580	591	591	581	573	199
25°	68	77	87	77	69	36
35°	14	14	15	14	13	9
45°	6	6	7	6	6	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10261.5	10261.5	10261.5	10261.5	10261.5
2.5°	9256.3	9264.1	9267.2	9276.3	9310.2
5°	6676.4	6607.8	6589.9	6635.6	6642.1
7.5°	3954.8	3968.7	4019.6	4030.9	3990.0
10°	2170.3	2188.1	2185.5	2201.1	2218.9
12.5°	1109.9	1096.0	1091.7	1109.5	1084.7
15°	579.9	590.8	591.2	580.8	573.0
17.5°	311.9	324.5	345.4	328.4	302.3
20°	184.2	195.5	213.3	199.4	188.1
22.5°	113.8	122.9	135.5	124.7	115.6
25°	68.2	77.3	86.9	76.9	69.1
27.5°	40.4	48.2	54.3	47.8	40.0
30°	26.1	30.4	34.3	30.0	26.5
32.5°	18.2	20.0	21.7	20.0	18.2
35°	13.5	14.3	15.2	14.3	13.0
37.5°	10.4	11.3	11.7	10.9	10.0
40°	8.7	9.1	9.6	9.1	8.7
42.5°	7.4	7.8	7.8	7.8	7.4
45°	6.5	6.5	7.0	6.5	6.5
47.5°	5.6	5.6	6.1	5.6	5.6
50°	5.2	5.2	5.2	5.2	5.2
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.3	4.3	4.3	4.3	4.3
57.5°	3.9	3.9	3.9	3.9	3.9
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.7
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)