

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: P787597

Luminaire Tested: LER6D05D010-EC6DR150210IC9050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787597  
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-EC6DR150210IC9050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 790.8 lumens  
Efficiency: N/A  
Efficacy: 105.4 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

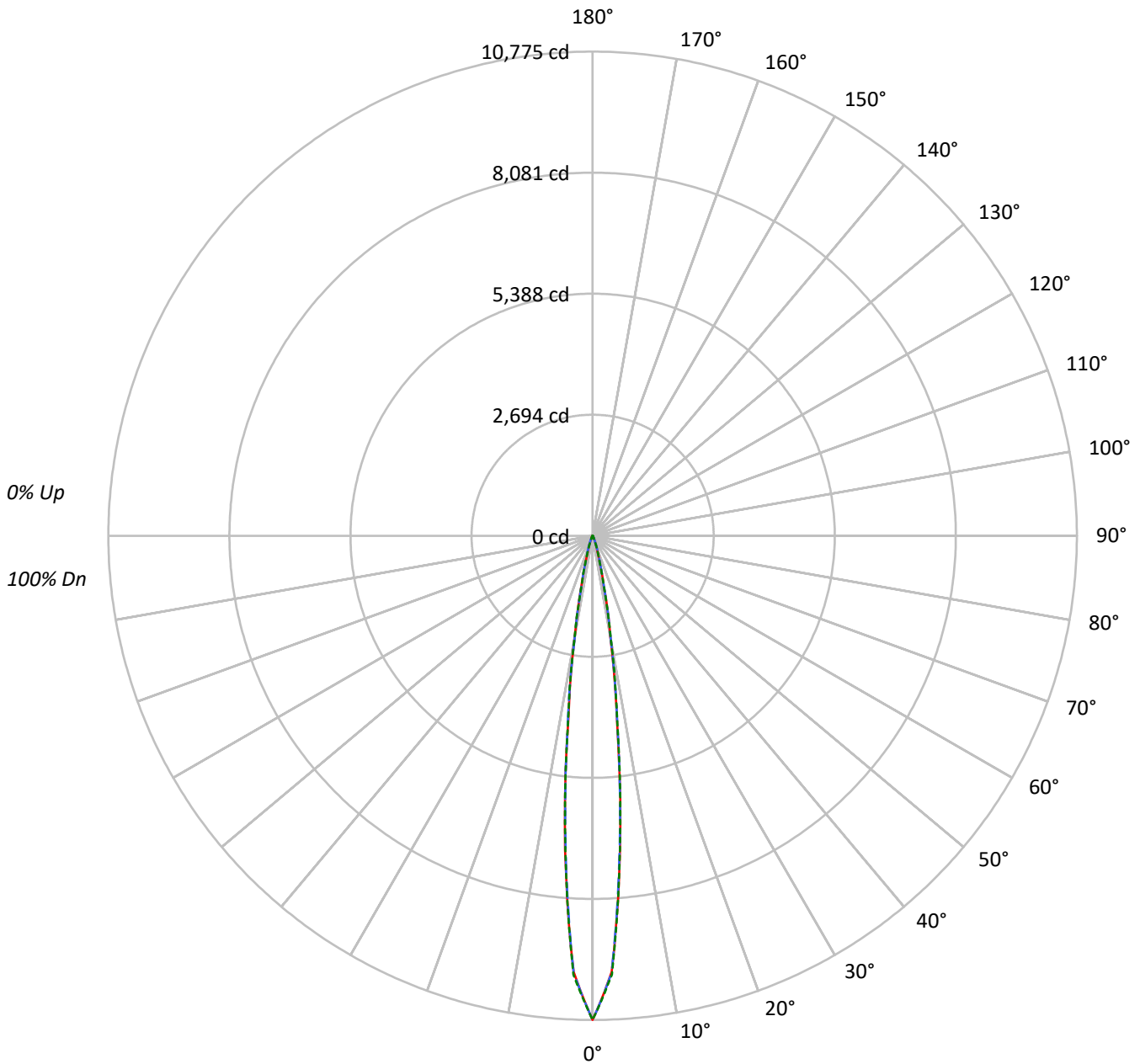
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1212357	1212357	1212357
5°	712439	703211	708780
10°	212629	214122	217397
15°	52887	53921	52253
20°	15825	18328	16160
25°	5578	7105	5648
30°	2052	2696	2082
35°	1024	1162	995
40°	646	710	646
45°	476	511	476
50°	382	382	382
55°	320	320	320
60°	253	253	253
65°	193	193	193
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: 511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	512.9	64.9
10°-20°	211.0	26.7
20°-30°	41.9	5.3
30°-40°	10.5	1.3
40°-50°	5.5	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°	765.8	96.8
0°-40°	776.2	98.2
0°-60°	785.8	99.4
0°-90°	790.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10775	10775	10775	10775	10775	
5°	7010	6938	6919	6967	6974	512
15°	609	620	621	610	602	209
25°	72	81	91	81	72	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°	10774.6	10774.6	10774.6	10774.6	10774.6
2.5°	9719.1	9727.4	9730.5	9740.1	9775.7
5°	7010.2	6938.1	6919.4	6967.3	6974.2
7.5°	4152.6	4167.2	4220.5	4232.4	4189.5
10°	2278.8	2297.5	2294.8	2311.2	2329.9
12.5°	1165.4	1150.8	1146.2	1164.9	1138.9
15°	608.9	620.3	620.8	609.8	601.6
17.5°	327.5	340.7	362.6	344.8	317.5
20°	193.4	205.3	224.0	209.4	197.5
22.5°	119.5	129.1	142.3	130.9	121.3
25°	71.6	81.2	91.2	80.7	72.5
27.5°	42.4	50.6	57.0	50.2	42.0
30°	27.4	31.9	36.0	31.5	27.8
32.5°	19.2	21.0	22.8	21.0	19.2
35°	14.1	15.1	16.0	15.1	13.7
37.5°	10.9	11.9	12.3	11.4	10.5
40°	9.1	9.6	10.0	9.6	9.1
42.5°	7.8	8.2	8.2	8.2	7.8
45°	6.8	6.8	7.3	6.8	6.8
47.5°	5.9	5.9	6.4	5.9	5.9
50°	5.5	5.5	5.5	5.5	5.5
52.5°	5.0	5.0	5.0	5.0	5.0
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.1	4.1	4.1	4.1	4.1
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
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)