

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: P772326

Luminaire Tested: LD6D80BD010-EU6DR6070959030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR6070959030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7632.8 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 78.9  
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

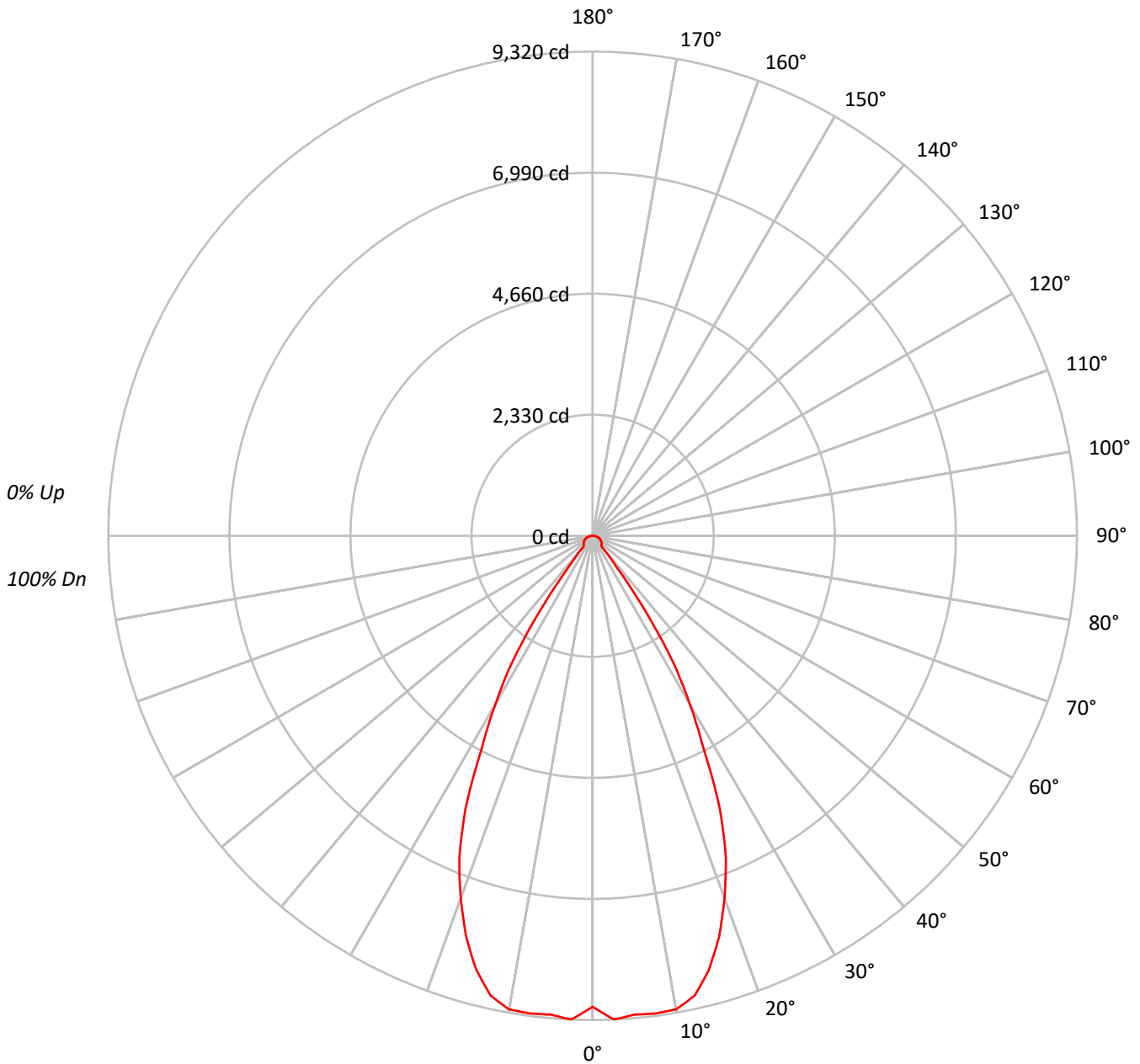


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	990438
5°	1014797
10°	1027052
15°	978400
20°	862652
25°	697741
30°	471965
35°	236501
40°	38367
45°	37548
50°	38296
55°	38879
60°	39968
65°	40874
70°	41817
75°	42342
80°	40836
85°	33973

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 42342 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	884.3	11.6
10°-20°	2392.5	31.3
20°-30°	2574.2	33.7
30°-40°	1118.9	14.7
40°-50°	187.9	2.5
50°-60°	182.7	2.4
60°-70°	156.3	2.0
70°-80°	104.6	1.4
80°-90°	31.3	0.4
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°	5851.0	76.7
0°-40°	6970.0	91.3
0°-60°	7340.7	96.2
0°-90°	7632.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7632.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9065	
5°	9252	884
15°	8650	2393
25°	5788	2574
35°	1773	1119
45°	243	188
55°	204	183
65°	158	156
75°	100	105
85°	27	31
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9064.9
2.5°	9319.7
5°	9252.5
7.5°	9273.7
10°	9257.2
12.5°	9066.1
15°	8649.6
17.5°	8090.5
20°	7419.2
22.5°	6700.8
25°	5787.7
27.5°	4629.2
30°	3740.9
32.5°	2883.2
35°	1773.1
37.5°	758.6
40°	269.0
42.5°	247.7
45°	243.0
47.5°	234.8
50°	225.3
52.5°	214.7
55°	204.1
57.5°	193.5
60°	182.9
62.5°	171.1
65°	158.1
67.5°	145.1
70°	130.9
72.5°	115.6
75°	100.3
77.5°	82.6
80°	64.9
82.5°	46.0
85°	27.1
87.5°	9.4
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)