

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: P771559

Luminaire Tested: LD6D75BD010-EU6DR6070959035-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771559  
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: LD6D75BD010-EU6DR6070959035-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6808.1 lumens  
Efficiency: N/A  
Efficacy: 94.0 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

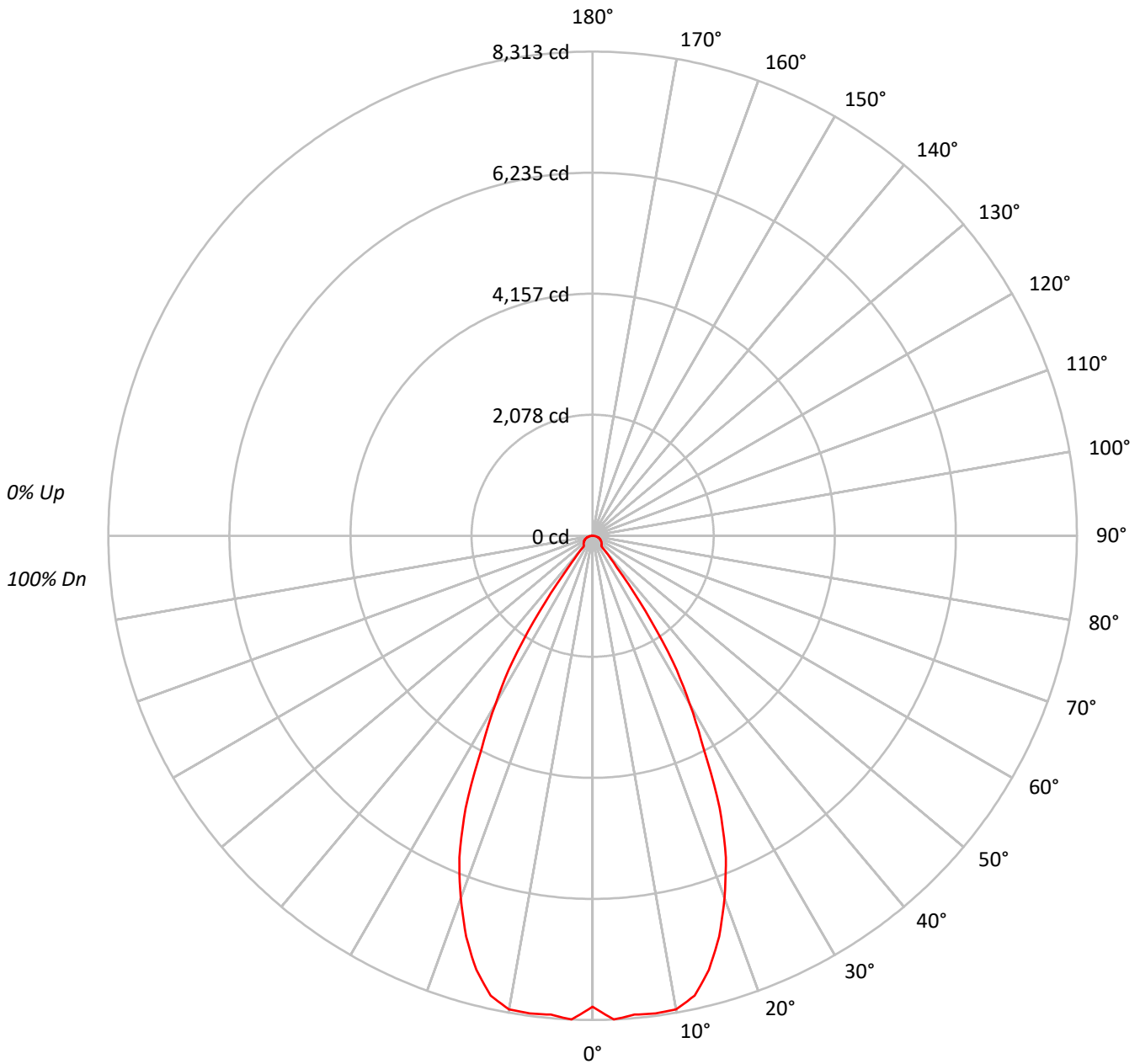
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°
0°	883428
5°	905162
10°	916095
15°	872694
20°	769447
25°	622358
30°	420970
35°	210945
40°	34217
45°	33500
50°	34166
55°	34669
60°	35641
65°	36453
70°	37313
75°	37740
80°	36431
85°	30338

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 37740 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	788.8	11.6
10°-20°	2134.1	31.3
20°-30°	2296.1	33.7
30°-40°	998.0	14.7
40°-50°	167.6	2.5
50°-60°	163.0	2.4
60°-70°	139.4	2.0
70°-80°	93.3	1.4
80°-90°	27.9	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°	5218.9	76.7
0°-40°	6216.9	91.3
0°-60°	6547.6	96.2
0°-90°	6808.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6808.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8086	
5°	8253	789
15°	7715	2134
25°	5162	2296
35°	1582	998
45°	217	168
55°	182	163
65°	141	139
75°	89	93
85°	24	28
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8085.5
2.5°	8312.8
5°	8252.9
7.5°	8271.8
10°	8257.1
12.5°	8086.6
15°	7715.1
17.5°	7216.4
20°	6617.6
22.5°	5976.8
25°	5162.4
27.5°	4129.1
30°	3336.7
32.5°	2571.7
35°	1581.5
37.5°	676.6
40°	239.9
42.5°	221.0
45°	216.8
47.5°	209.4
50°	201.0
52.5°	191.5
55°	182.0
57.5°	172.6
60°	163.1
62.5°	152.6
65°	141.0
67.5°	129.4
70°	116.8
72.5°	103.1
75°	89.4
77.5°	73.7
80°	57.9
82.5°	41.0
85°	24.2
87.5°	8.4
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)