

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: P771250

Luminaire Tested: LD6D75BD010-EU6DR4070959035-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR4070959035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

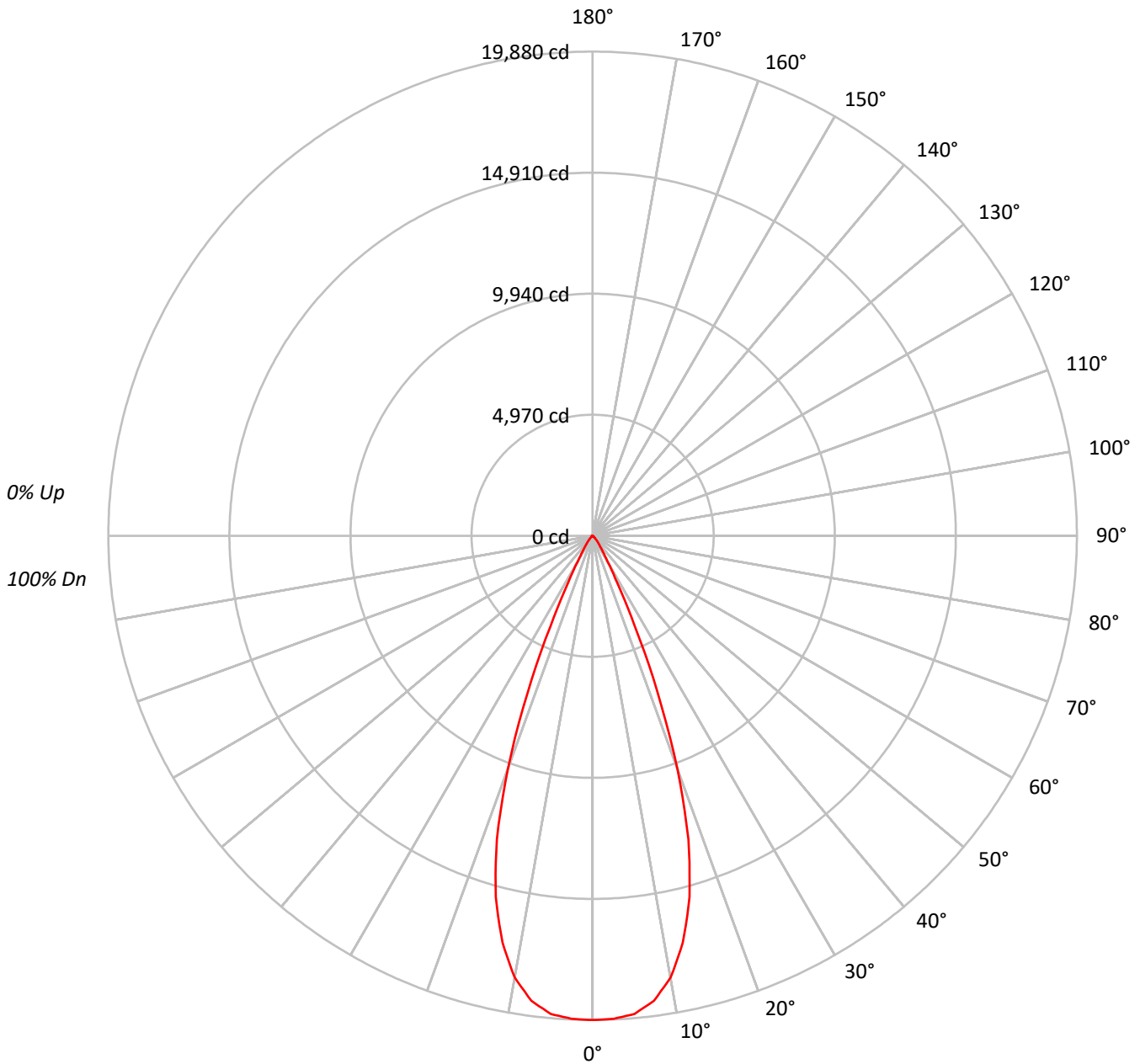
Lumens per Lamp: N/A  
Luminaire Lumens: 8538.6 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67

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

	0°
0°	2172126
5°	2161569
10°	2043153
15°	1736938
20°	1183844
25°	493954
30°	155307
35°	72187
40°	39922
45°	18310
50°	8890
55°	4858
60°	2535
65°	905
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18310 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1840.3	21.6
10°-20°	4122.7	48.3
20°-30°	2063.7	24.2
30°-40°	378.3	4.4
40°-50°	104.4	1.2
50°-60°	24.5	0.3
60°-70°	4.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	8026.6	94.0
0°-40°	8404.9	98.4
0°-60°	8533.8	99.9
0°-90°	8538.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8538.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19880	
5°	19708	###
15°	15356	4123
25°	4097	2064
35°	541	378
45°	118	104
55°	26	25
65°	4	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19880.2
2.5°	19851.1
5°	19708.3
7.5°	19253.0
10°	18415.7
12.5°	17110.3
15°	15355.5
17.5°	13073.4
20°	10181.6
22.5°	6941.5
25°	4097.3
27.5°	2165.9
30°	1231.0
32.5°	795.5
35°	541.2
37.5°	386.7
40°	279.9
42.5°	191.6
45°	118.5
47.5°	75.5
50°	52.3
52.5°	37.2
55°	25.5
57.5°	16.3
60°	11.6
62.5°	7.0
65°	3.5
67.5°	2.3
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)