

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: P772592

Luminaire Tested: LD6D85BD010-EU6DR2570959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR2570959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10748.5 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

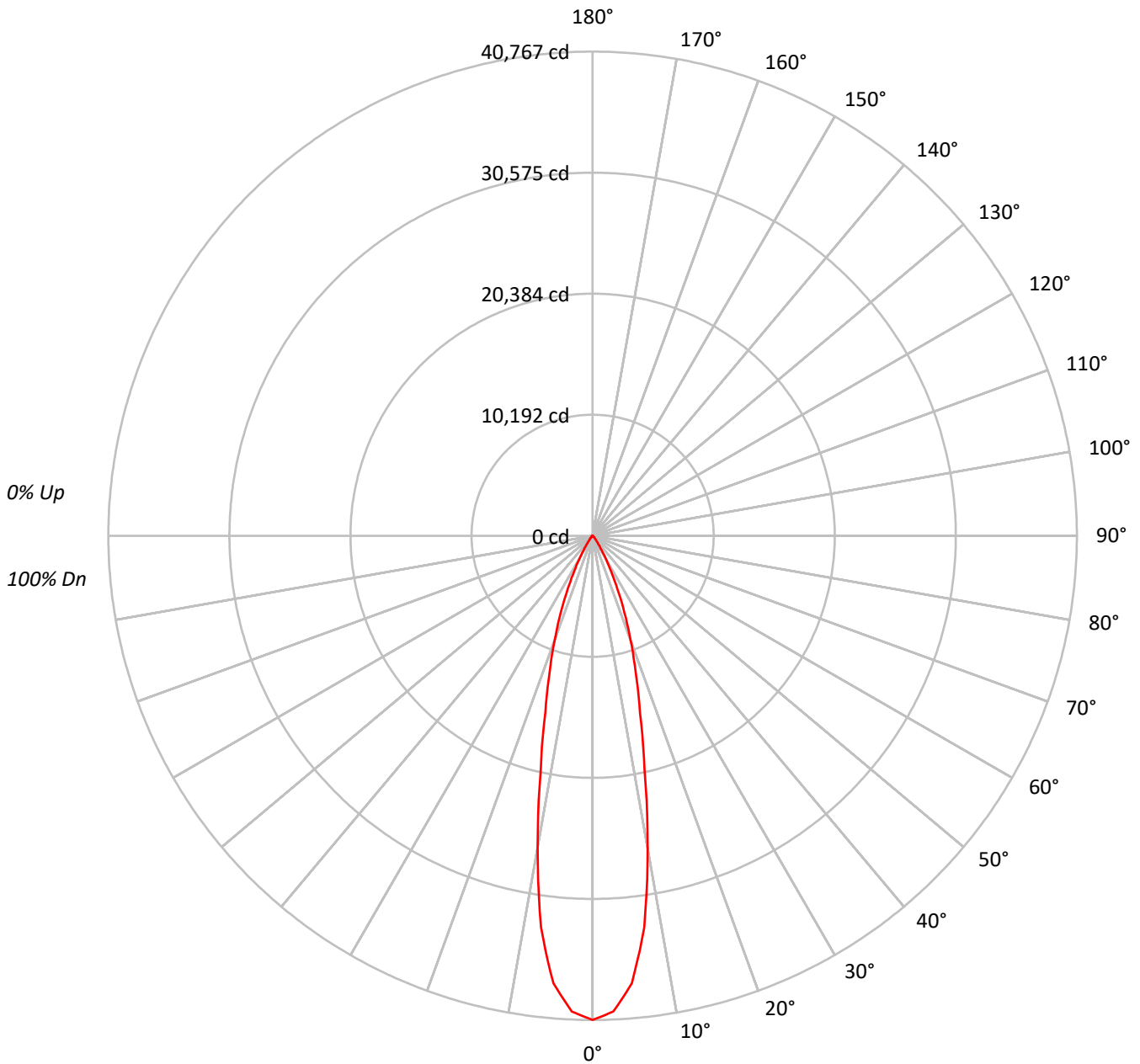
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4454233
5°	4148553
10°	2959281
15°	1742899
20°	1084454
25°	595148
30°	272185
35°	103078
40°	46683
45°	28060
50°	11644
55°	7505
60°	5245
65°	3542
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3250.7	30.2
10°-20°	4402.9	41.0
20°-30°	2329.9	21.7
30°-40°	575.2	5.4
40°-50°	140.3	1.3
50°-60°	36.9	0.3
60°-70°	12.4	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°	9983.6	92.9
0°-40°	10558.7	98.2
0°-60°	10736.0	99.9
0°-90°	10748.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10748.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	40767	
5°	37825	###
15°	15408	4403
25°	4937	2330
35°	773	575
45°	182	140
55°	39	37
65°	14	12
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	40767.0
2.5°	40097.0
5°	37824.8
7.5°	33259.9
10°	26673.1
12.5°	20163.3
15°	15408.2
17.5°	12008.5
20°	9326.8
22.5°	6994.7
25°	4936.7
27.5°	3310.6
30°	2157.4
32.5°	1312.6
35°	772.8
37.5°	472.9
40°	327.3
42.5°	250.2
45°	181.6
47.5°	109.7
50°	68.5
52.5°	49.7
55°	39.4
57.5°	30.8
60°	24.0
62.5°	18.8
65°	13.7
67.5°	5.1
70°	1.7
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)