

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



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: P772657

Luminaire Tested: LD6D85BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR3070959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11222.6 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

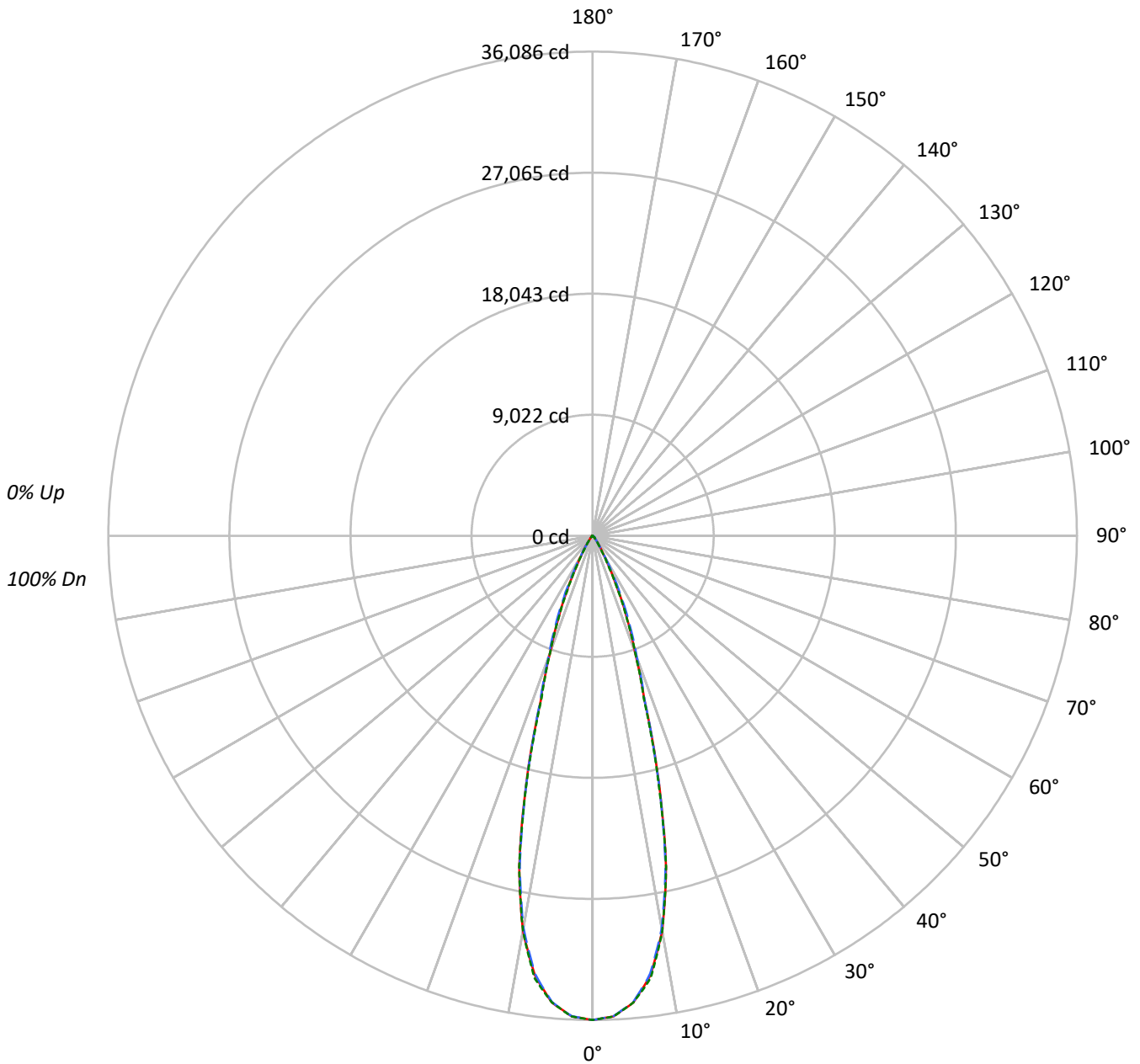
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2762160	2762160	2762160
5°	2682860	2679732	2682998
10°	2323767	2307383	2323215
15°	1516143	1507997	1500421
20°	753906	782195	752896
25°	379766	428244	371988
30°	152048	165677	132480
35°	70521	67549	56617
40°	30446	33813	28677
45°	21477	26662	21671
50°	7383	19410	7812
55°	4257	8034	4497
60°	2985	3521	2985
65°	1920	1920	1920
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 26662 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3173.2	28.3
10°-20°	5110.5	45.5
20°-30°	2208.4	19.7
30°-40°	503.3	4.5
40°-50°	172.8	1.5
50°-60°	42.2	0.4
60°-70°	10.9	0.1
70°-80°	1.2	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°	10492.2	93.5
0°-40°	10995.5	98.0
0°-60°	11210.5	99.9
0°-90°	11222.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11222.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36086	36086	36086	36086	36086	
5°	34917	34883	34876	34949	34919	3176
15°	19133	18902	19030	18968	18934	5123
25°	4497	4667	5071	4548	4404	2152
35°	755	771	723	718	606	512
45°	198	246	246	246	200	141
55°	32	34	60	35	34	31
65°	11	11	11	11	11	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36086.2	36086.2	36086.2	36086.2	36086.2
2.5°	35847.0	35822.2	35836.4	35854.1	35861.2
5°	34916.8	34883.2	34876.1	34948.7	34918.6
7.5°	33040.6	32992.8	32920.1	33084.9	33239.0
10°	29897.6	29844.4	29686.8	29764.7	29890.5
12.5°	25257.5	25085.6	25082.1	25330.1	25296.5
15°	19132.7	18902.4	19029.9	18967.9	18934.3
17.5°	12866.2	12777.6	12947.7	12896.3	12674.8
20°	9255.4	9278.4	9602.7	9439.7	9243.0
22.5°	6753.8	6837.0	7221.5	6801.6	6647.5
25°	4496.6	4666.7	5070.6	4548.0	4404.5
27.5°	2765.6	2843.6	3252.9	2730.2	2652.2
30°	1720.3	1681.4	1874.5	1608.7	1498.9
32.5°	1128.6	1079.0	1141.0	1024.0	935.5
35°	754.7	770.7	722.9	717.5	605.9
37.5°	471.3	542.1	478.4	510.3	389.8
40°	304.7	393.3	338.4	373.8	287.0
42.5°	249.8	303.0	278.2	295.9	255.1
45°	198.4	246.3	246.3	246.3	200.2
47.5°	109.8	164.8	210.8	168.3	116.9
50°	62.0	83.3	163.0	86.8	65.6
52.5°	42.5	47.8	111.6	49.6	44.3
55°	31.9	33.7	60.2	35.4	33.7
57.5°	24.8	26.6	31.9	26.6	24.8
60°	19.5	19.5	23.0	21.3	19.5
62.5°	14.2	14.2	15.9	14.2	14.2
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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