

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: P772679

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772679
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-EU6DR3070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11239.6 lumens
Efficiency: N/A
Efficacy: 128.2 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

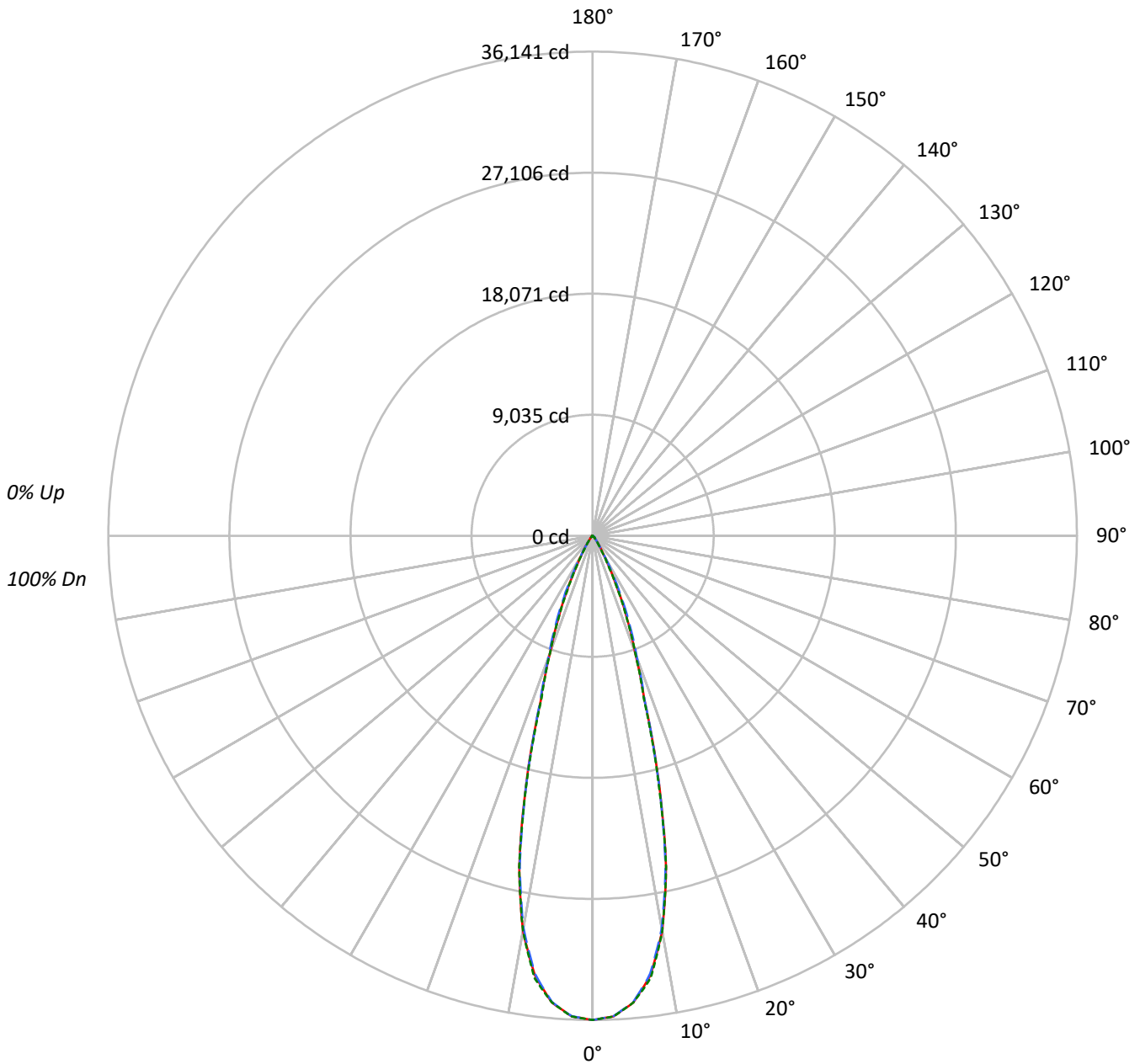


Downlight

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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°	2766347	2766347	2766347
5°	2686932	2683797	2687070
10°	2327296	2310880	2326744
15°	1518441	1510287	1502696
20°	755054	783377	754036
25°	380340	428894	372554
30°	152278	165925	132674
35°	70633	67652	56701
40°	30496	33863	28727
45°	21509	26694	21704
50°	7395	19434	7824
55°	4257	8047	4497
60°	2985	3536	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: 26694 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3178.0	28.3
10°-20°	5118.3	45.5
20°-30°	2211.7	19.7
30°-40°	504.1	4.5
40°-50°	173.1	1.5
50°-60°	42.3	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°	10508.1	93.5
0°-40°	11012.2	98.0
0°-60°	11227.5	99.9
0°-90°	11239.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11239.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36141	36141	36141	36141	36141	
5°	34970	34936	34929	35002	34972	3181
15°	19162	18931	19059	18997	18963	5131
25°	4503	4674	5078	4555	4411	2156
35°	756	772	724	719	607	513
45°	199	247	247	247	200	141
55°	32	34	60	36	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36140.9	36140.9	36140.9	36140.9	36140.9
2.5°	35901.4	35876.5	35890.7	35908.5	35915.6
5°	34969.8	34936.1	34929.0	35001.8	34971.6
7.5°	33090.7	33042.8	32970.1	33135.1	33289.5
10°	29943.0	29889.7	29731.8	29809.9	29935.9
12.5°	25295.8	25123.7	25120.1	25368.6	25334.9
15°	19161.7	18931.0	19058.8	18996.7	18963.0
17.5°	12885.7	12797.0	12967.3	12915.8	12694.0
20°	9269.5	9292.5	9617.2	9454.0	9257.0
22.5°	6764.0	6847.4	7232.4	6811.9	6657.5
25°	4503.4	4673.8	5078.3	4554.9	4411.2
27.5°	2769.8	2847.9	3257.8	2734.3	2656.3
30°	1722.9	1683.9	1877.3	1611.2	1501.1
32.5°	1130.3	1080.6	1142.7	1025.6	936.9
35°	755.9	771.9	724.0	718.6	606.8
37.5°	472.0	543.0	479.1	511.0	390.4
40°	305.2	393.9	338.9	374.4	287.5
42.5°	250.2	303.4	278.6	296.3	255.5
45°	198.7	246.6	246.6	246.6	200.5
47.5°	110.0	165.0	211.2	168.6	117.1
50°	62.1	83.4	163.2	86.9	65.7
52.5°	42.6	47.9	111.8	49.7	44.4
55°	31.9	33.7	60.3	35.5	33.7
57.5°	24.8	26.6	31.9	26.6	24.8
60°	19.5	19.5	23.1	21.3	19.5
62.5°	14.2	14.2	16.0	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

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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