

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: P772301

Luminaire Tested: LD6D80BD010-EU6DR6070959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772301
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: LD6D80BD010-EU6DR6070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8305.6 lumens
Efficiency: N/A
Efficacy: 105.3 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

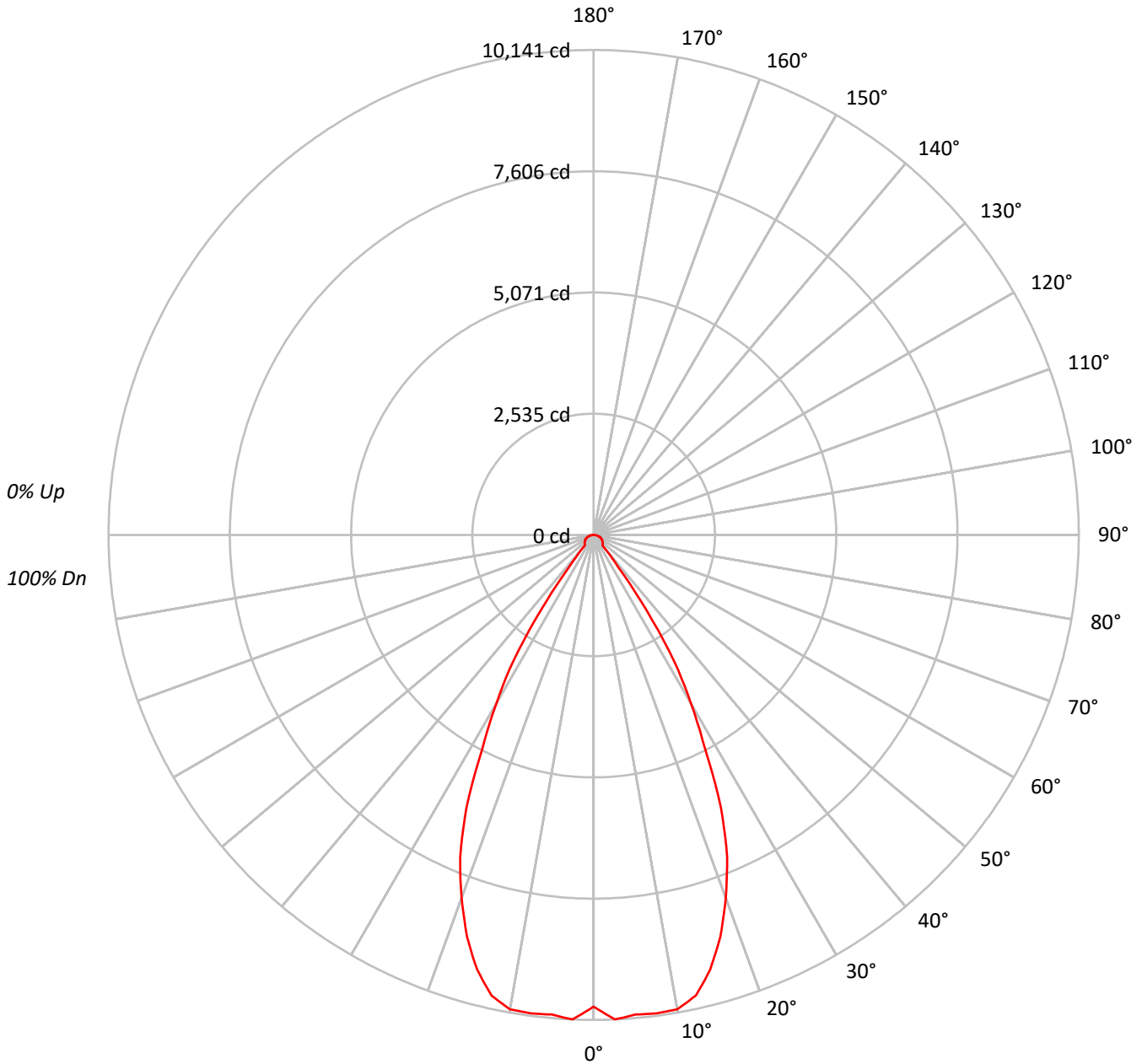
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1077737
5°	1104250
10°	1117584
15°	1064650
20°	938694
25°	759237
30°	513561
35°	257349
40°	41748
45°	40855
50°	41679
55°	42308
60°	43486
65°	44468
70°	45523
75°	46057
80°	44422
85°	36982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46057 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.3	11.6
10°-20°	2603.4	31.3
20°-30°	2801.1	33.7
30°-40°	1217.6	14.7
40°-50°	204.5	2.5
50°-60°	198.8	2.4
60°-70°	170.1	2.0
70°-80°	113.8	1.4
80°-90°	34.1	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°	6366.8	76.7
0°-40°	7584.3	91.3
0°-60°	7987.7	96.2
0°-90°	8305.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8305.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9864	
5°	10068	962
15°	9412	2603
25°	6298	2801
35°	1929	1218
45°	264	205
55°	222	199
65°	172	170
75°	109	114
85°	30	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9863.9
2.5°	10141.2
5°	10068.1
7.5°	10091.2
10°	10073.2
12.5°	9865.2
15°	9412.1
17.5°	8803.6
20°	8073.2
22.5°	7291.4
25°	6297.8
27.5°	5037.2
30°	4070.6
32.5°	3137.4
35°	1929.4
37.5°	825.4
40°	292.7
42.5°	269.6
45°	264.4
47.5°	255.5
50°	245.2
52.5°	233.6
55°	222.1
57.5°	210.5
60°	199.0
62.5°	186.1
65°	172.0
67.5°	157.9
70°	142.5
72.5°	125.8
75°	109.1
77.5°	89.9
80°	70.6
82.5°	50.1
85°	29.5
87.5°	10.3
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)