

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: P772353

Luminaire Tested: LD6D80BD010-EU6DR6070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772353
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-EU6DR6070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10252.7 lumens
Efficiency: N/A
Efficacy: 129.9 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

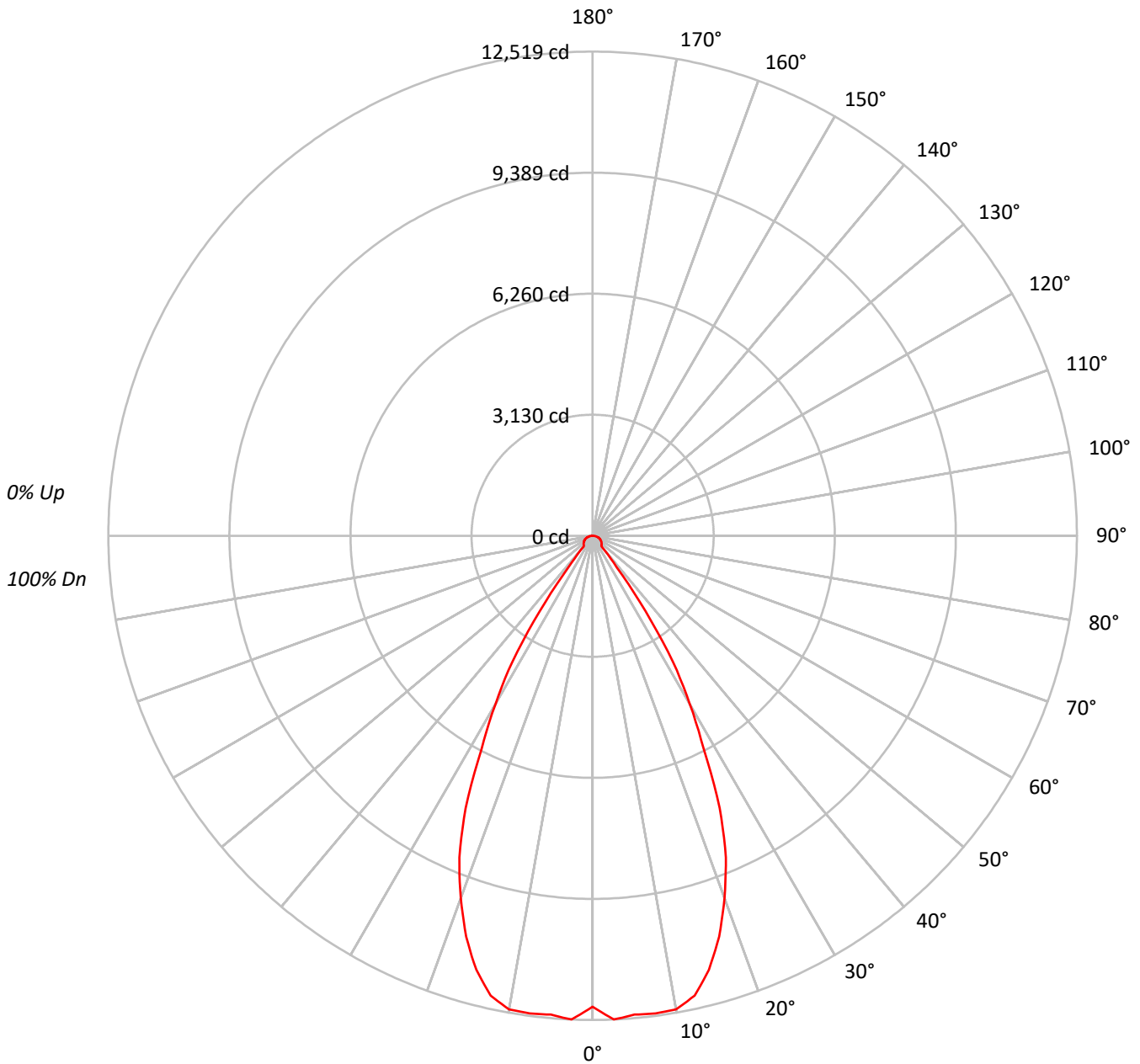
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	1330403
5°	1363123
10°	1379584
15°	1314250
20°	1158764
25°	937238
30°	633959
35°	317678
40°	51532
45°	50435
50°	51453
55°	52213
60°	53669
65°	54887
70°	56192
75°	56864
80°	54867
85°	45632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 56864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1187.8	11.6
10°-20°	3213.8	31.3
20°-30°	3457.8	33.7
30°-40°	1503.0	14.7
40°-50°	252.4	2.5
50°-60°	245.5	2.4
60°-70°	209.9	2.0
70°-80°	140.5	1.4
80°-90°	42.0	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°	7859.4	76.7
0°-40°	9362.4	91.3
0°-60°	9860.3	96.2
0°-90°	10252.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10252.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12176	
5°	12428	###
15°	11619	3214
25°	7774	3458
35°	2382	1503
45°	326	252
55°	274	245
65°	212	210
75°	135	140
85°	36	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12176.4
2.5°	12518.7
5°	12428.4
7.5°	12456.9
10°	12434.7
12.5°	12178.0
15°	11618.7
17.5°	10867.5
20°	9965.9
22.5°	9000.8
25°	7774.3
27.5°	6218.2
30°	5024.9
32.5°	3872.9
35°	2381.7
37.5°	1018.9
40°	361.3
42.5°	332.8
45°	326.4
47.5°	315.3
50°	302.7
52.5°	288.4
55°	274.1
57.5°	259.9
60°	245.6
62.5°	229.8
65°	212.3
67.5°	194.9
70°	175.9
72.5°	155.3
75°	134.7
77.5°	110.9
80°	87.2
82.5°	61.8
85°	36.4
87.5°	12.7
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)