

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: P772314

Luminaire Tested: LD6D80BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772314
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-EU6DR6070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9408.5 lumens
Efficiency: N/A
Efficacy: 119.2 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

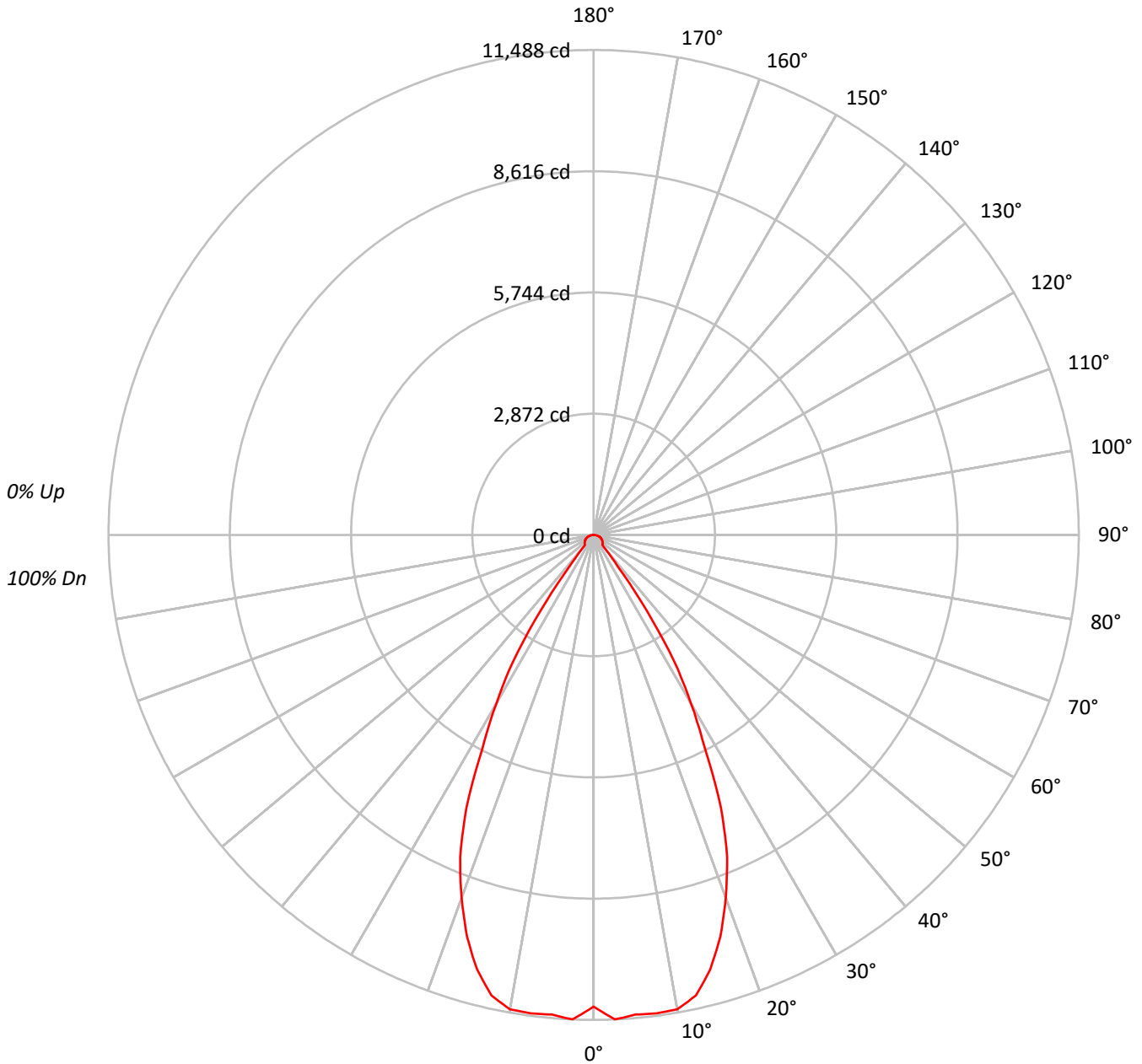


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1220847
5°	1250868
10°	1265975
15°	1206010
20°	1063327
25°	860058
30°	581752
35°	291521
40°	47282
45°	46294
50°	47203
55°	47927
60°	49255
65°	50388
70°	51560
75°	52178
80°	50337
85°	41871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 52178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.0	11.6
10°-20°	2949.1	31.3
20°-30°	3173.0	33.7
30°-40°	1379.2	14.7
40°-50°	231.7	2.5
50°-60°	225.3	2.4
60°-70°	192.7	2.0
70°-80°	128.9	1.4
80°-90°	38.5	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°	7212.2	76.7
0°-40°	8591.4	91.3
0°-60°	9048.3	96.2
0°-90°	9408.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9408.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11174	
5°	11405	###
15°	10662	2949
25°	7134	3173
35°	2186	1379
45°	300	232
55°	252	225
65°	195	193
75°	124	129
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11173.7
2.5°	11487.8
5°	11404.9
7.5°	11431.1
10°	11410.7
12.5°	11175.1
15°	10661.8
17.5°	9972.6
20°	9145.1
22.5°	8259.6
25°	7134.1
27.5°	5706.1
30°	4611.1
32.5°	3553.9
35°	2185.6
37.5°	935.0
40°	331.5
42.5°	305.4
45°	299.6
47.5°	289.4
50°	277.7
52.5°	264.7
55°	251.6
57.5°	238.5
60°	225.4
62.5°	210.9
65°	194.9
67.5°	178.9
70°	161.4
72.5°	142.5
75°	123.6
77.5°	101.8
80°	80.0
82.5°	56.7
85°	33.4
87.5°	11.6
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)