

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: P773133

Luminaire Tested: LD6D85BD010-EU6DR6070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773133
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: LD6D85BD010-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: 10914.8 lumens
Efficiency: N/A
Efficacy: 124.5 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

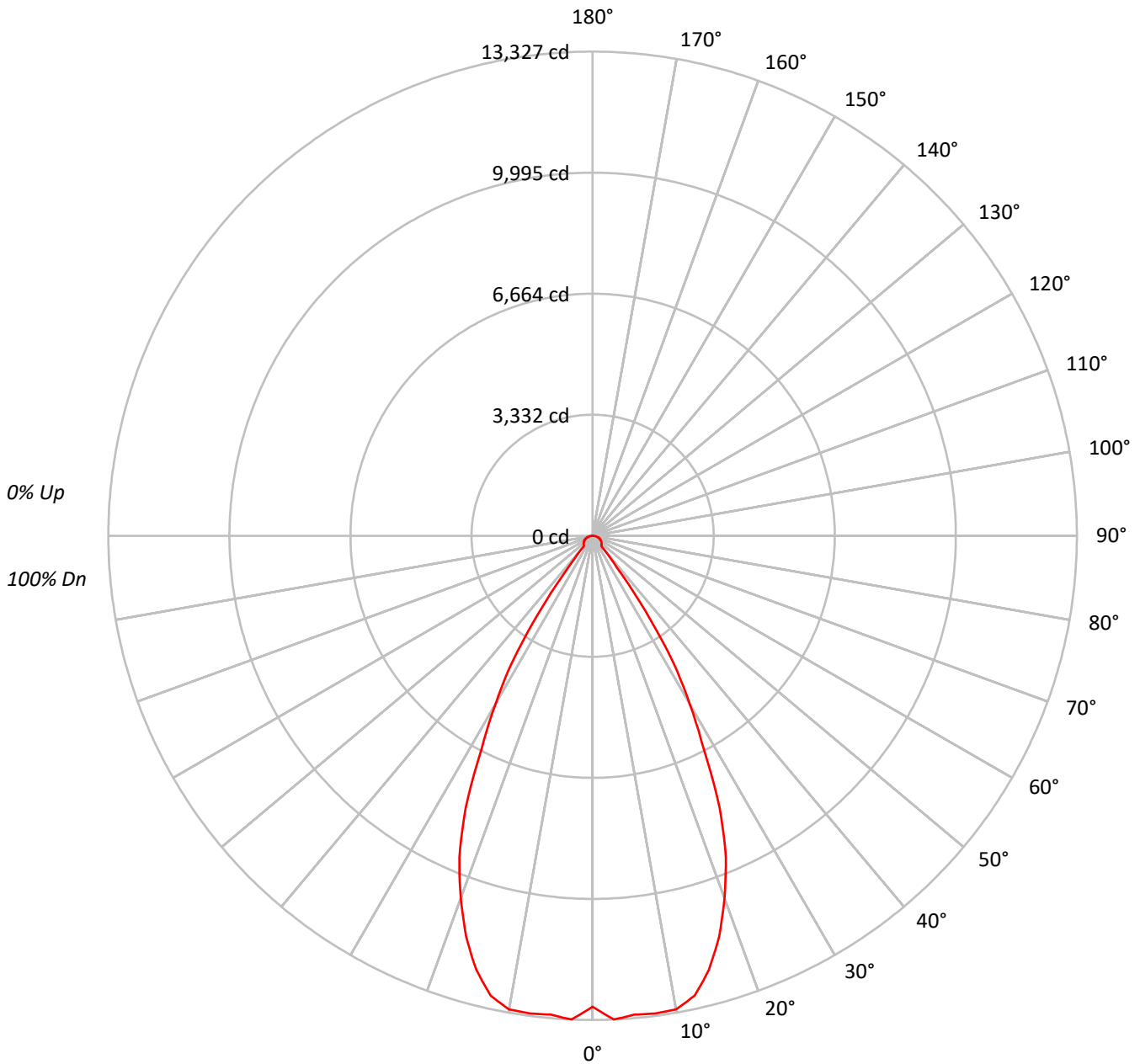
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1416314
5°	1451140
10°	1468674
15°	1399109
20°	1233585
25°	997757
30°	674899
35°	338192
40°	54855
45°	53695
50°	54767
55°	55585
60°	57143
65°	58454
70°	59834
75°	60536
80°	58390
85°	48641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 60536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1264.5	11.6
10°-20°	3421.3	31.3
20°-30°	3681.0	33.7
30°-40°	1600.1	14.7
40°-50°	268.7	2.5
50°-60°	261.3	2.4
60°-70°	223.5	2.0
70°-80°	149.6	1.4
80°-90°	44.7	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°	8366.9	76.7
0°-40°	9967.0	91.3
0°-60°	10497.0	96.2
0°-90°	10914.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10914.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12963	
5°	13231	###
15°	12369	3421
25°	8276	3681
35°	2536	1600
45°	348	269
55°	292	261
65°	226	224
75°	143	150
85°	39	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12962.7
2.5°	13327.1
5°	13230.9
7.5°	13261.3
10°	13237.7
12.5°	12964.4
15°	12368.9
17.5°	11569.3
20°	10609.4
22.5°	9582.0
25°	8276.3
27.5°	6619.7
30°	5349.4
32.5°	4123.0
35°	2535.5
37.5°	1084.7
40°	384.6
42.5°	354.3
45°	347.5
47.5°	335.7
50°	322.2
52.5°	307.0
55°	291.8
57.5°	276.7
60°	261.5
62.5°	244.6
65°	226.1
67.5°	207.5
70°	187.3
72.5°	165.3
75°	143.4
77.5°	118.1
80°	92.8
82.5°	65.8
85°	38.8
87.5°	13.5
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)