

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: P774549

Luminaire Tested: LD6D95BD010-EU6DR5070959050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11017.9 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): 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

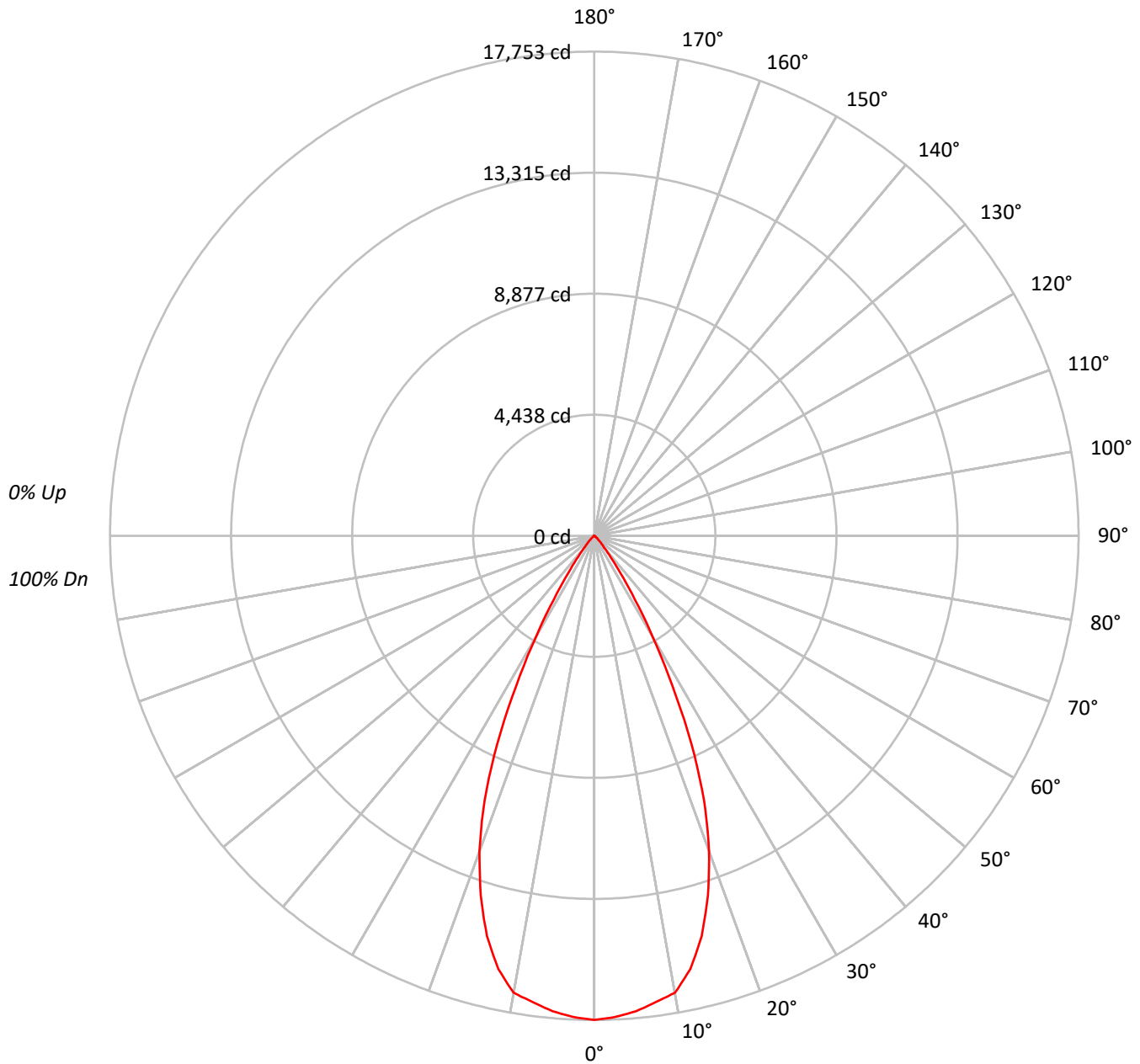


Downlight

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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	109	107		112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80		95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75		91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71		87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67		84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64		80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61		77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1939662
5°	1919323
10°	1887718
15°	1718919
20°	1430331
25°	1015322
30°	537418
35°	219001
40°	81328
45°	37239
50°	15264
55°	7982
60°	3933
65°	1163
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1654.1	15.0
10°-20°	4180.2	37.9
20°-30°	3754.9	34.1
30°-40°	1175.6	10.7
40°-50°	205.9	1.9
50°-60°	41.0	0.4
60°-70°	6.2	0.1
70°-80°	0.0	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°	9589.1	87.0
0°-40°	10764.8	97.7
0°-60°	11011.7	99.9
0°-90°	11017.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11017.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17753	
5°	17500	###
15°	15196	4180
25°	8422	3755
35°	1642	1176
45°	241	206
55°	42	41
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17752.6
2.5°	17664.3
5°	17499.6
7.5°	17248.2
10°	17014.7
12.5°	16266.3
15°	15196.2
17.5°	13837.2
20°	12301.5
22.5°	10524.9
25°	8422.0
27.5°	6191.9
30°	4259.7
32.5°	2773.4
35°	1641.9
37.5°	942.9
40°	570.2
42.5°	371.2
45°	241.0
47.5°	146.7
50°	89.8
52.5°	61.4
55°	41.9
57.5°	28.4
60°	18.0
62.5°	10.5
65°	4.5
67.5°	1.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)