

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: P774655

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774655
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: LD6D95BD010-EU6DR6070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 11427.4 lumens
Efficiency: N/A
Efficacy: 115.2 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): 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

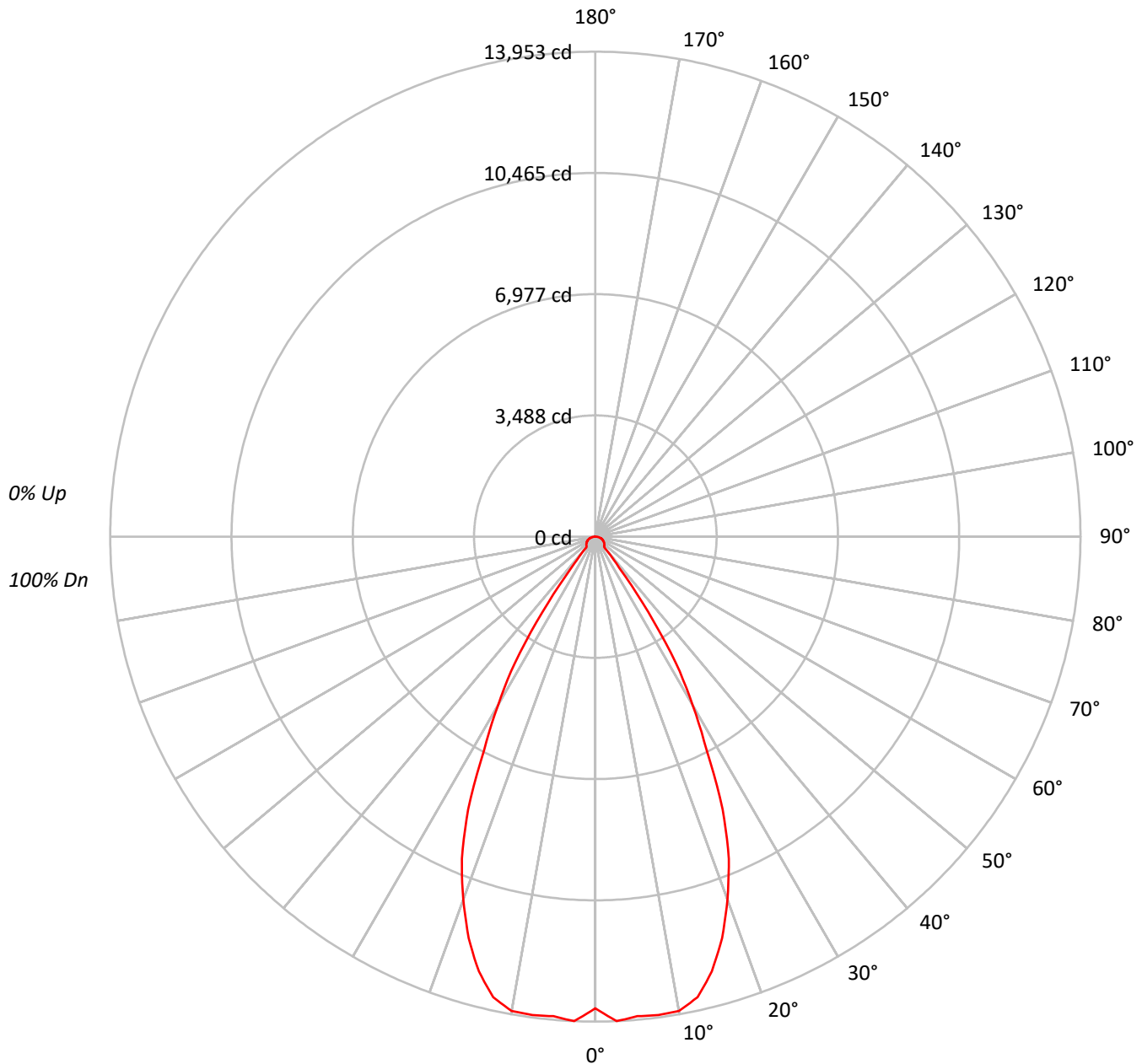


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1482843
5°	1519305
10°	1537649
15°	1464817
20°	1291524
25°	1044617
30°	706591
35°	354078
40°	57437
45°	56214
50°	57334
55°	58214
60°	59831
65°	61195
70°	62614
75°	63365
80°	61096
85°	50897

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 63365 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1323.9	11.6
10°-20°	3582.0	31.3
20°-30°	3853.9	33.7
30°-40°	1675.2	14.7
40°-50°	281.4	2.5
50°-60°	273.6	2.4
60°-70°	234.0	2.0
70°-80°	156.5	1.4
80°-90°	46.8	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°	8759.9	76.7
0°-40°	10435.1	91.3
0°-60°	10990.1	96.2
0°-90°	11427.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11427.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13572	
5°	13852	###
15°	12950	3582
25°	8665	3854
35°	2655	1675
45°	364	281
55°	306	274
65°	237	234
75°	150	157
85°	41	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13571.6
2.5°	13953.1
5°	13852.4
7.5°	13884.2
10°	13859.4
12.5°	13573.3
15°	12949.8
17.5°	12112.7
20°	11107.7
22.5°	10032.1
25°	8665.0
27.5°	6930.6
30°	5600.6
32.5°	4316.6
35°	2654.6
37.5°	1135.7
40°	402.7
42.5°	370.9
45°	363.8
47.5°	351.5
50°	337.3
52.5°	321.5
55°	305.6
57.5°	289.7
60°	273.8
62.5°	256.1
65°	236.7
67.5°	217.2
70°	196.0
72.5°	173.1
75°	150.1
77.5°	123.6
80°	97.1
82.5°	68.9
85°	40.6
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)