

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: P773080

Luminaire Tested: LD6D85BD010-EU6DR6070959024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773080
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-EU6DR6070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6962.9 lumens
Efficiency: N/A
Efficacy: 79.4 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 (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

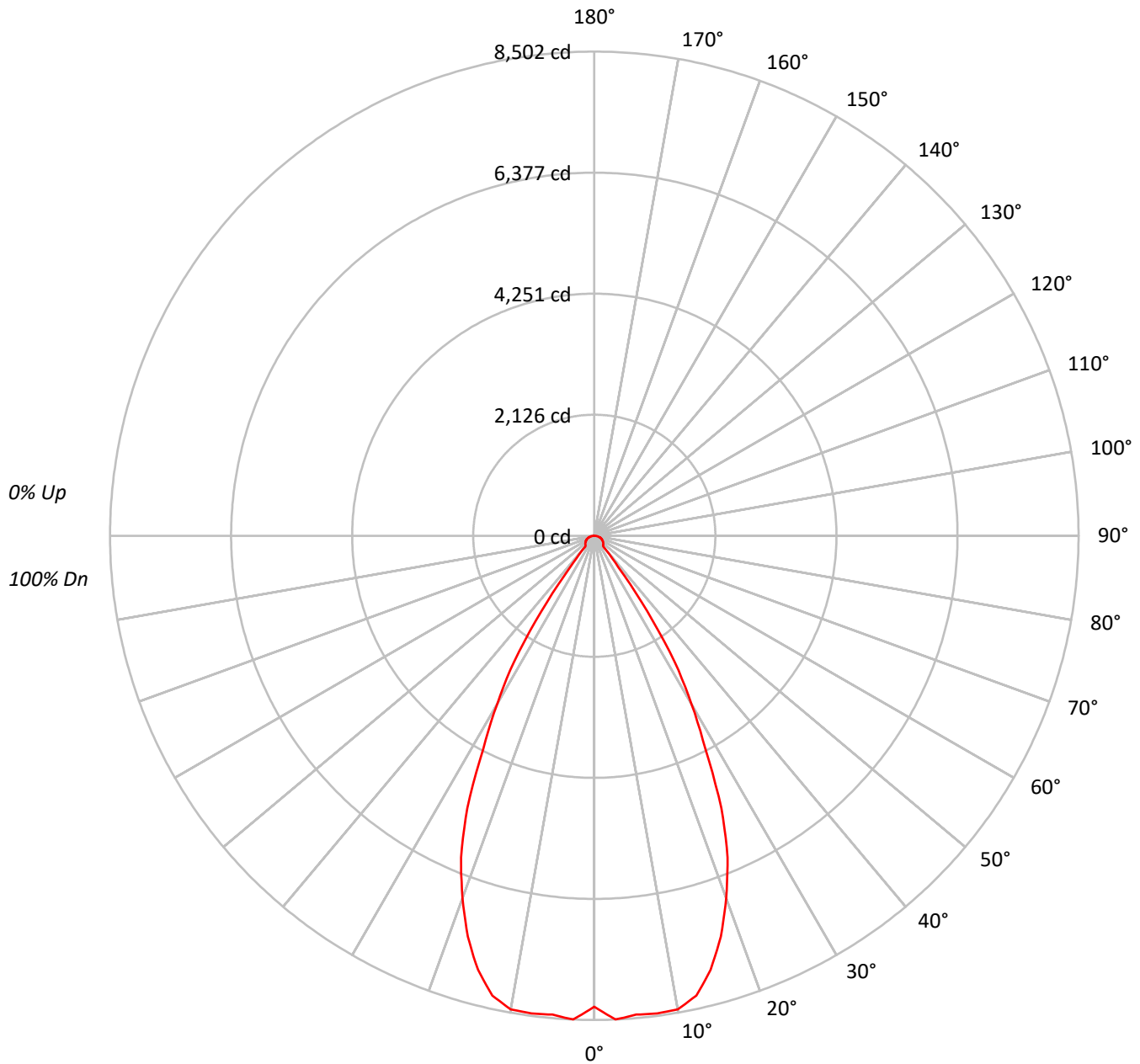


Downlight

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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°	903499
5°	925716
10°	936897
15°	892523
20°	786923
25°	636487
30°	430533
35°	215747
40°	35001
45°	34257
50°	34931
55°	35469
60°	36449
65°	37280
70°	38175
75°	38627
80°	37249
85°	31090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38627 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.7	11.6
10°-20°	2182.5	31.3
20°-30°	2348.2	33.7
30°-40°	1020.7	14.7
40°-50°	171.4	2.5
50°-60°	166.7	2.4
60°-70°	142.6	2.0
70°-80°	95.4	1.4
80°-90°	28.6	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°	5337.4	76.7
0°-40°	6358.1	91.3
0°-60°	6696.3	96.2
0°-90°	6962.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6962.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8269	
5°	8440	807
15°	7890	2183
25°	5280	2348
35°	1618	1021
45°	222	171
55°	186	167
65°	144	143
75°	92	95
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8269.2
2.5°	8501.6
5°	8440.3
7.5°	8459.7
10°	8444.6
12.5°	8270.3
15°	7890.4
17.5°	7380.3
20°	6767.9
22.5°	6112.6
25°	5279.6
27.5°	4222.8
30°	3412.5
32.5°	2630.1
35°	1617.5
37.5°	692.0
40°	245.4
42.5°	226.0
45°	221.7
47.5°	214.2
50°	205.5
52.5°	195.9
55°	186.2
57.5°	176.5
60°	166.8
62.5°	156.0
65°	144.2
67.5°	132.4
70°	119.5
72.5°	105.5
75°	91.5
77.5°	75.3
80°	59.2
82.5°	42.0
85°	24.8
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)