

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: P763944

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR2015309050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3336.9 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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



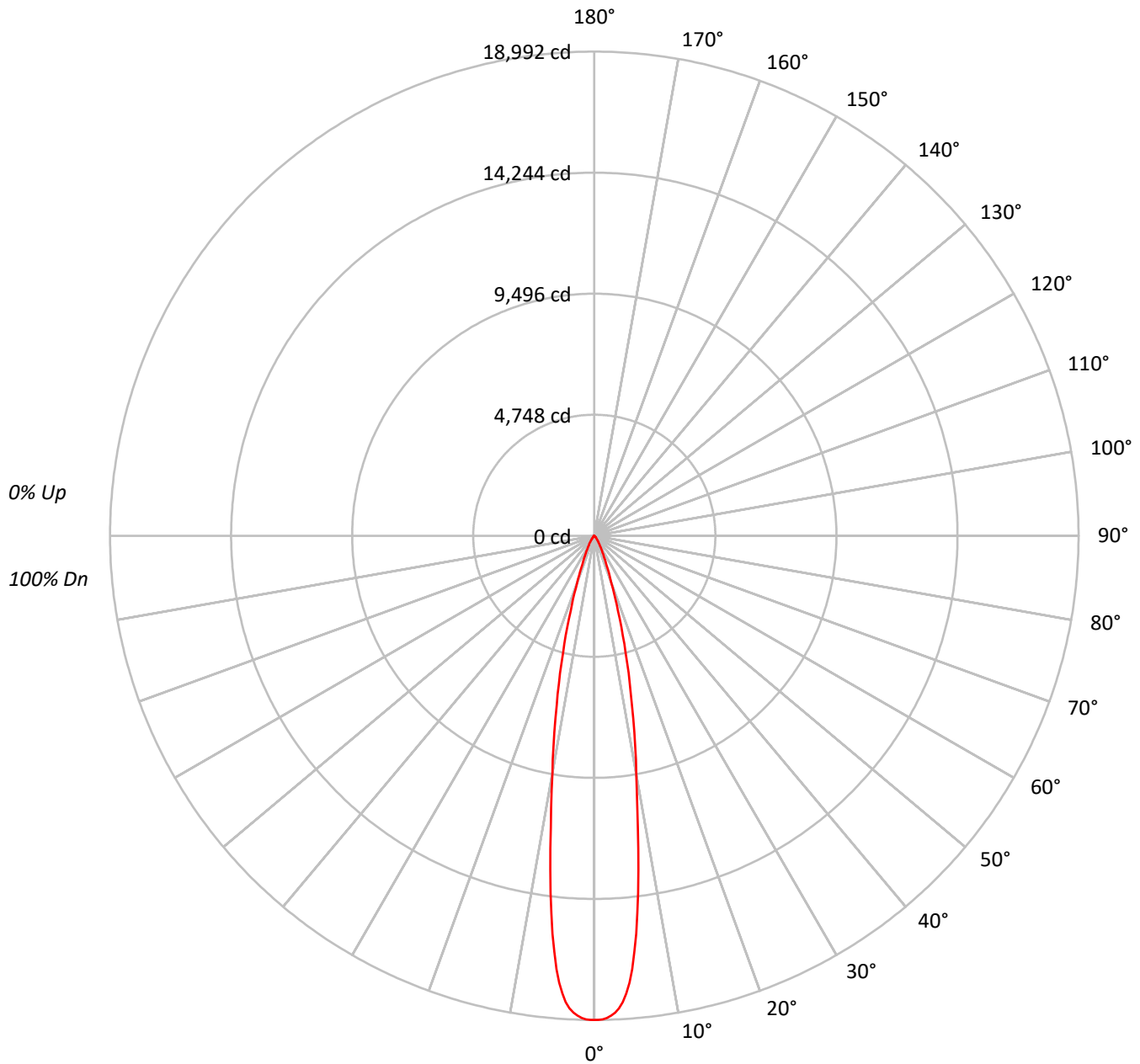
Downlight



TEST NUMBER: P763944

CATALOG NUMBER: LD6D30D010-EU6DR2015309050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P763944

CATALOG NUMBER: LD6D30D010-EU6DR2015309050-6LB DP1MW

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85			
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83			
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81			
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79			
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77			
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2075124
5°	1872151
10°	1050750
15°	534118
20°	226139
25°	104389
30°	55260
35°	29771
40°	15917
45°	9410
50°	5456
55°	2895
60°	1857
65°	1319
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9410 cd/sqm



TEST NUMBER: P763944

CATALOG NUMBER: LD6D30D010-EU6DR2015309050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1352.2	40.5
10°-20°	1331.5	39.9
20°-30°	435.0	13.0
30°-40°	148.1	4.4
40°-50°	49.8	1.5
50°-60°	15.0	0.4
60°-70°	5.0	0.2
70°-80°	0.2	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°	3118.7	93.5
0°-40°	3266.8	97.9
0°-60°	3331.6	99.8
0°-90°	3336.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3336.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18992	
5°	17070	###
15°	4722	1332
25°	866	435
35°	223	148
45°	61	50
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763944

CATALOG NUMBER: LD6D30D010-EU6DR2015309050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	18992.4
0.5°	18992.4
1°	18968.7
1.5°	18921.4
2°	18835.1
2.5°	18720.1
3°	18557.8
3.5°	18331.1
4°	17994.6
4.5°	17585.3
5°	17069.5
5.5°	16391.3
6°	15696.2
6.5°	14899.7
7°	14120.0
7.5°	13206.7
8°	12391.6
8.5°	11571.3
9°	10813.7
9.5°	10118.6
10°	9470.8
12.5°	6800.4
15°	4721.9
17.5°	3084.8
20°	1944.9
22.5°	1260.0
25°	865.9
27.5°	608.8
30°	438.0
32.5°	314.6
35°	223.2
37.5°	155.6
40°	111.6
42.5°	81.2
45°	60.9
47.5°	47.4
50°	32.1
52.5°	20.3
55°	15.2
57.5°	11.8
60°	8.5
62.5°	6.8
65°	5.1



TEST NUMBER: P763944

CATALOG NUMBER: LD6D30D010-EU6DR2015309050-6LBDP1MW

CANDELA DISTRIBUTION (continued):

	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







67.5°	3.4
70°	1.7



(END OF REPORT)