

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: P761640

Luminaire Tested: LD6D15D010-EU6DR600215IC9027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761640
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: LD6D15D010-EU6DR600215IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 1356.4 lumens
Efficiency: N/A
Efficacy: 85.8 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): 15.8
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



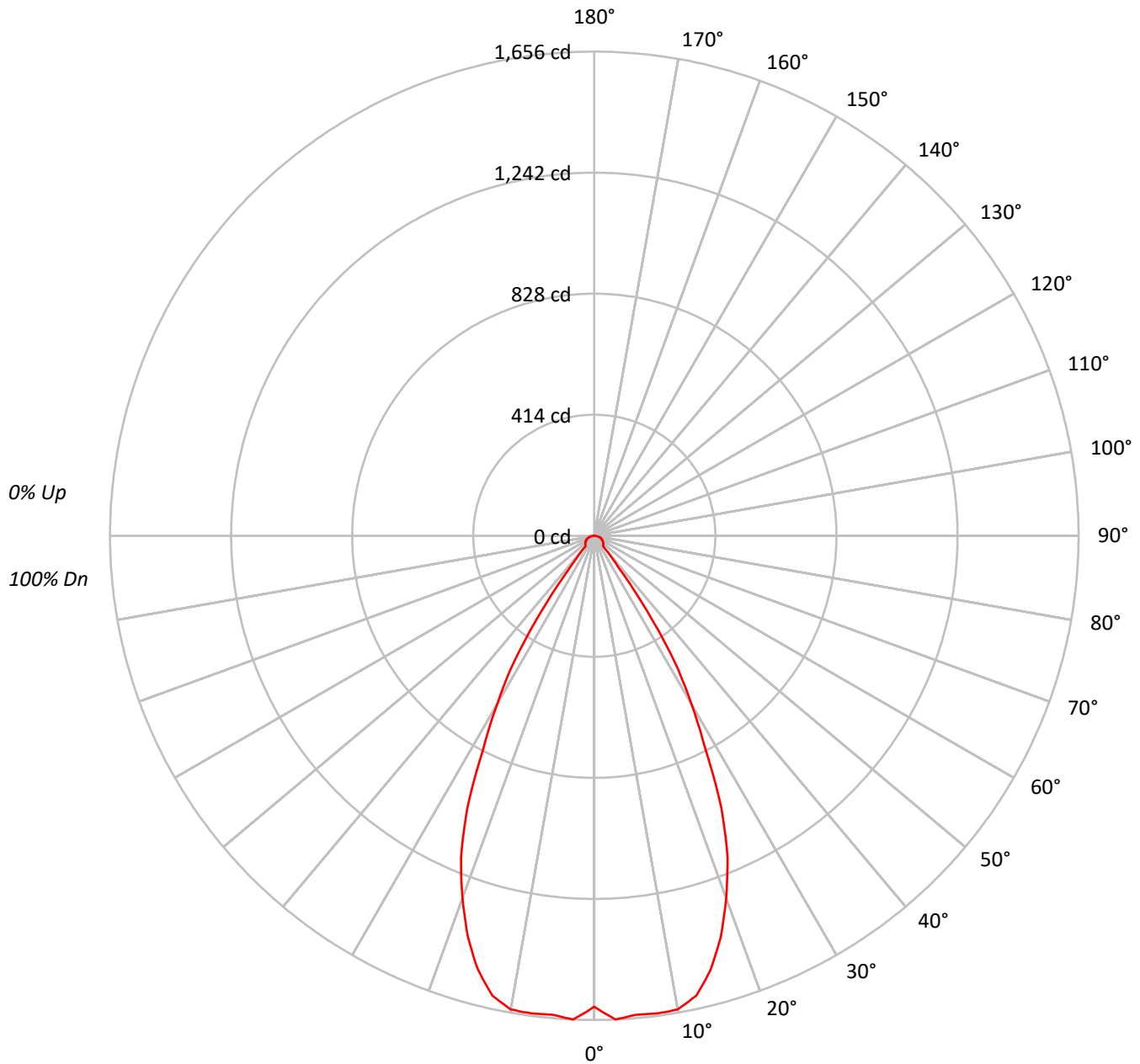
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176008
5°	180333
10°	182518
15°	173869
20°	153294
25°	123992
30°	83861
35°	42029
40°	6818
45°	6675
50°	6799
55°	6915
60°	7102
65°	7265
70°	7443
75°	7514
80°	7236
85°	6017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	11.6
10°-20°	425.2	31.3
20°-30°	457.4	33.7
30°-40°	198.8	14.7
40°-50°	33.4	2.5
50°-60°	32.5	2.4
60°-70°	27.8	2.0
70°-80°	18.6	1.4
80°-90°	5.6	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°	1039.8	76.7
0°-40°	1238.6	91.3
0°-60°	1304.5	96.2
0°-90°	1356.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1611	
5°	1644	157
15°	1537	425
25°	1028	457
35°	315	199
45°	43	33
55°	36	32
65°	28	28
75°	18	19
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1610.9
2.5°	1656.2
5°	1644.2
7.5°	1648.0
10°	1645.1
12.5°	1611.1
15°	1537.1
17.5°	1437.7
20°	1318.4
22.5°	1190.8
25°	1028.5
27.5°	822.6
30°	664.7
32.5°	512.3
35°	315.1
37.5°	134.8
40°	47.8
42.5°	44.0
45°	43.2
47.5°	41.7
50°	40.0
52.5°	38.2
55°	36.3
57.5°	34.4
60°	32.5
62.5°	30.4
65°	28.1
67.5°	25.8
70°	23.3
72.5°	20.6
75°	17.8
77.5°	14.7
80°	11.5
82.5°	8.2
85°	4.8
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)