

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: P762058

Luminaire Tested: LD6D20D010-EU6DR2015309040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762058
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: LD6D20D010-EU6DR2015309040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2314.9 lumens
Efficiency: N/A
Efficacy: 100.2 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): 23.1
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



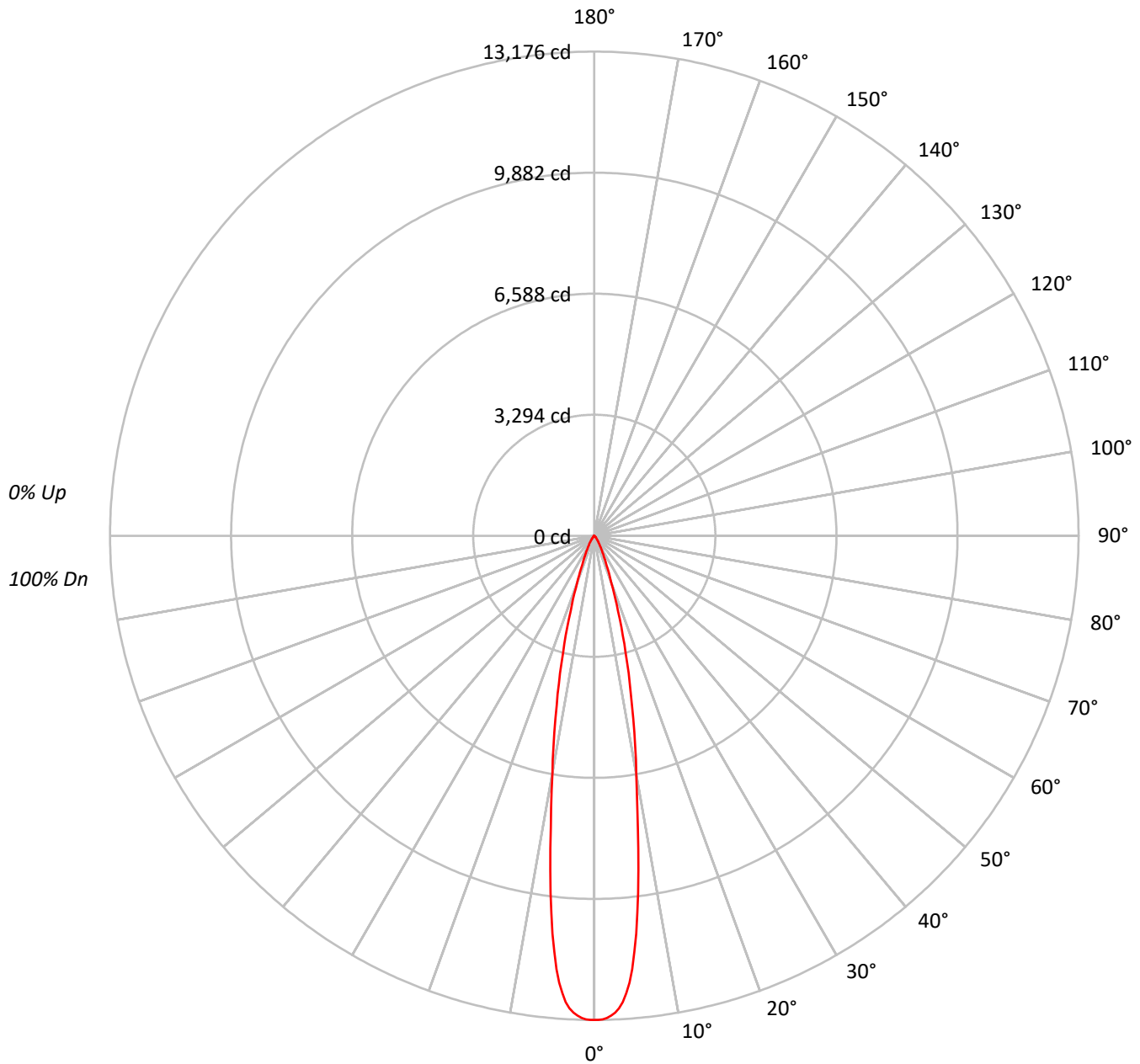
Downlight



TEST NUMBER: P762058

CATALOG NUMBER: LD6D20D010-EU6DR2015309040-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P762058

CATALOG NUMBER: LD6D20D010-EU6DR2015309040-6LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1439576
5°	1298764
10°	728939
15°	370531
20°	156875
25°	72418
30°	38341
35°	20661
40°	11040
45°	6521
50°	3791
55°	2019
60°	1289
65°	905
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6521 cd/sqm



TEST NUMBER: P762058

CATALOG NUMBER: LD6D20D010-EU6DR2015309040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.1	40.5
10°-20°	923.7	39.9
20°-30°	301.8	13.0
30°-40°	102.7	4.4
40°-50°	34.5	1.5
50°-60°	10.4	0.4
60°-70°	3.5	0.1
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°	2163.6	93.5
0°-40°	2266.3	97.9
0°-60°	2311.2	99.8
0°-90°	2314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2314.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13176	
5°	11842	938
15°	3276	924
25°	601	302
35°	155	103
45°	42	35
55°	11	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762058

CATALOG NUMBER: LD6D20D010-EU6DR2015309040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	13175.6
0.5°	13175.6
1°	13159.1
1.5°	13126.3
2°	13066.4
2.5°	12986.7
3°	12874.0
3.5°	12716.8
4°	12483.3
4.5°	12199.4
5°	11841.6
5.5°	11371.1
6°	10888.9
6.5°	10336.3
7°	9795.4
7.5°	9161.9
8°	8596.4
8.5°	8027.3
9°	7501.7
9.5°	7019.5
10°	6570.2
12.5°	4717.6
15°	3275.7
17.5°	2140.0
20°	1349.2
22.5°	874.1
25°	600.7
27.5°	422.4
30°	303.9
32.5°	218.2
35°	154.9
37.5°	107.9
40°	77.4
42.5°	56.3
45°	42.2
47.5°	32.9
50°	22.3
52.5°	14.1
55°	10.6
57.5°	8.2
60°	5.9
62.5°	4.7
65°	3.5



TEST NUMBER: P762058

CATALOG NUMBER: LD6D20D010-EU6DR2015309040-6LBDP1LI

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°	2.3
70°	1.2



(END OF REPORT)