

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: P763933

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763933
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-EU6DR2015309040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 3856.7 lumens
Efficiency: N/A
Efficacy: 133.0 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 (A_{in}): 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



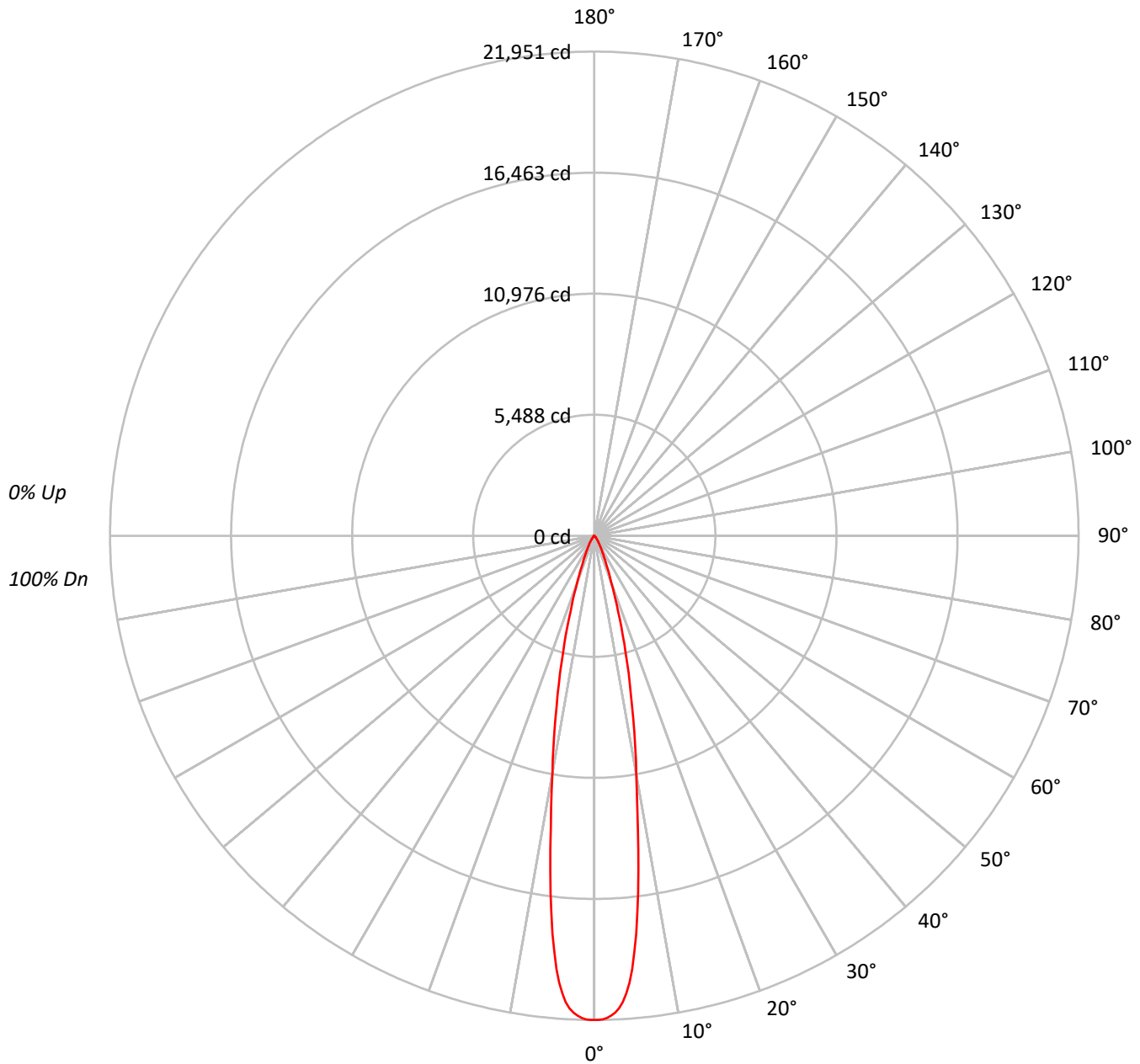
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2398405
5°	2163807
10°	1214451
15°	617325
20°	261370
25°	120652
30°	63877
35°	34413
40°	18399
45°	10878
50°	6306
55°	3353
60°	2142
65°	1525
70°	639
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10878 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1562.9	40.5
10°-20°	1538.9	39.9
20°-30°	502.8	13.0
30°-40°	171.2	4.4
40°-50°	57.5	1.5
50°-60°	17.3	0.4
60°-70°	5.8	0.1
70°-80°	0.3	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°	3604.6	93.5
0°-40°	3775.8	97.9
0°-60°	3850.6	99.8
0°-90°	3856.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3856.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21951	
5°	19729	###
15°	5458	1539
25°	1001	503
35°	258	171
45°	70	58
55°	18	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21951.2
0.5°	21951.2
1°	21923.8
1.5°	21869.1
2°	21769.4
2.5°	21636.4
3°	21448.8
3.5°	21186.9
4°	20797.9
4.5°	20324.9
5°	19728.7
5.5°	18944.8
6°	18141.5
6.5°	17220.8
7°	16319.7
7.5°	15264.2
8°	14322.0
8.5°	13374.0
9°	12498.3
9.5°	11694.9
10°	10946.3
12.5°	7859.8
15°	5457.5
17.5°	3565.4
20°	2247.9
22.5°	1456.2
25°	1000.8
27.5°	703.7
30°	506.3
32.5°	363.6
35°	258.0
37.5°	179.8
40°	129.0
42.5°	93.8
45°	70.4
47.5°	54.7
50°	37.1
52.5°	23.5
55°	17.6
57.5°	13.7
60°	9.8
62.5°	7.8
65°	5.9



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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



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— 0°-180°







67.5°	3.9
70°	2.0



(END OF REPORT)