

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: P763928

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763928
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-EU6DR2015309040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3140.7 lumens
Efficiency: N/A
Efficacy: 108.3 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



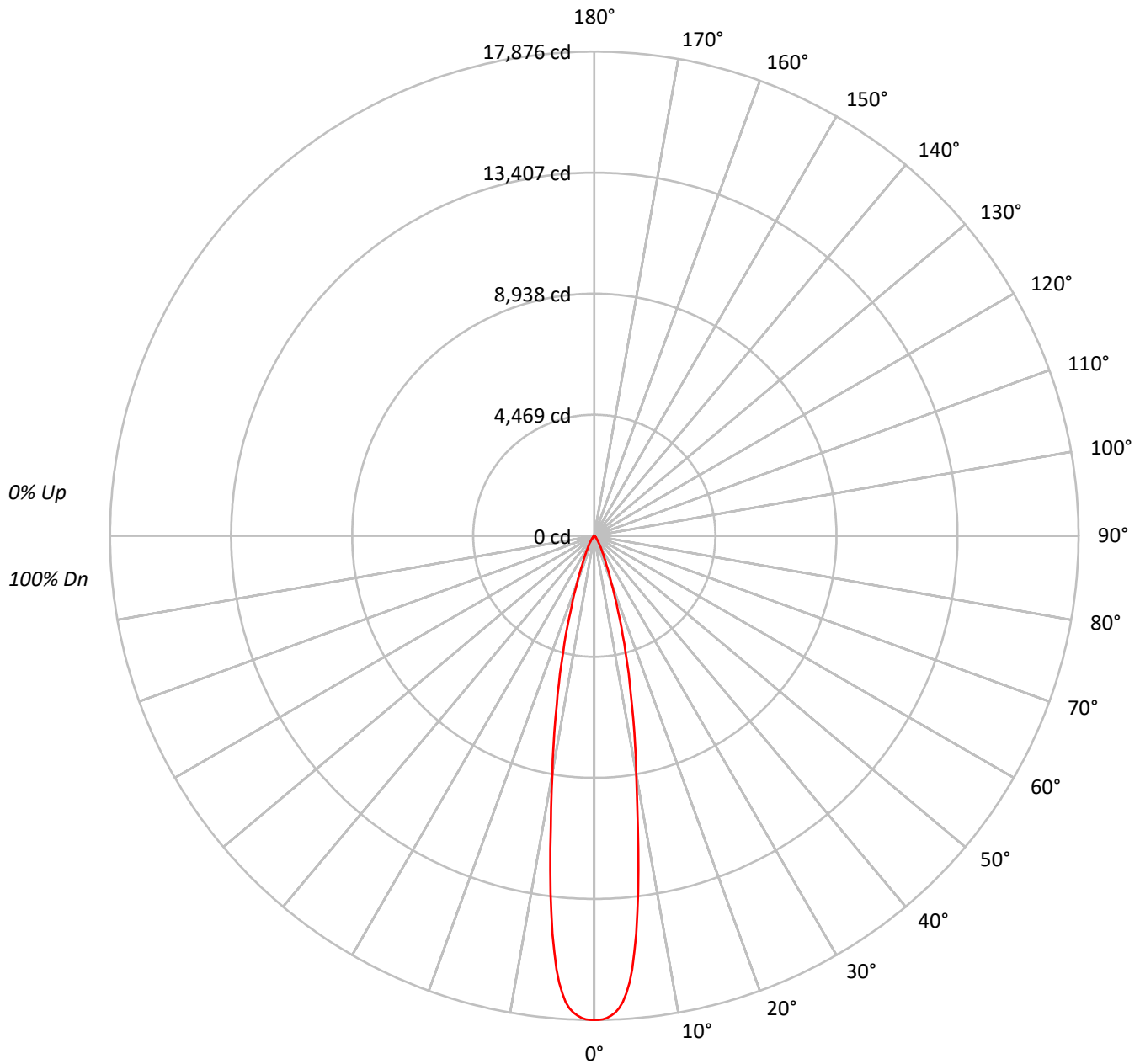
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1953145
5°	1762100
10°	988986
15°	502717
20°	212849
25°	98253
30°	52017
35°	28024
40°	14990
45°	8854
50°	5133
55°	2724
60°	1748
65°	1241
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1272.7	40.5
10°-20°	1253.2	39.9
20°-30°	409.4	13.0
30°-40°	139.4	4.4
40°-50°	46.9	1.5
50°-60°	14.1	0.4
60°-70°	4.7	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°	2935.4	93.5
0°-40°	3074.8	97.9
0°-60°	3135.8	99.8
0°-90°	3140.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3140.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17876	
5°	16066	###
15°	4444	1253
25°	815	409
35°	210	139
45°	57	47
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17876.0
0.5°	17876.0
1°	17853.7
1.5°	17809.1
2°	17728.0
2.5°	17619.7
3°	17466.9
3.5°	17253.6
4°	16936.8
4.5°	16551.6
5°	16066.1
5.5°	15427.8
6°	14773.6
6.5°	14023.8
7°	13290.0
7.5°	12430.4
8°	11663.2
8.5°	10891.1
9°	10178.0
9.5°	9523.8
10°	8914.1
12.5°	6400.7
15°	4444.3
17.5°	2903.5
20°	1830.6
22.5°	1185.9
25°	815.0
27.5°	573.1
30°	412.3
32.5°	296.1
35°	210.1
37.5°	146.4
40°	105.1
42.5°	76.4
45°	57.3
47.5°	44.6
50°	30.2
52.5°	19.1
55°	14.3
57.5°	11.1
60°	8.0
62.5°	6.4
65°	4.8



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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°	3.2
70°	1.6



(END OF REPORT)