

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: P763800

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR1515309024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

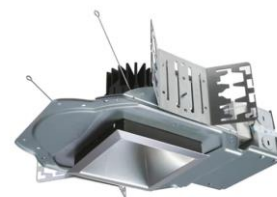
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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



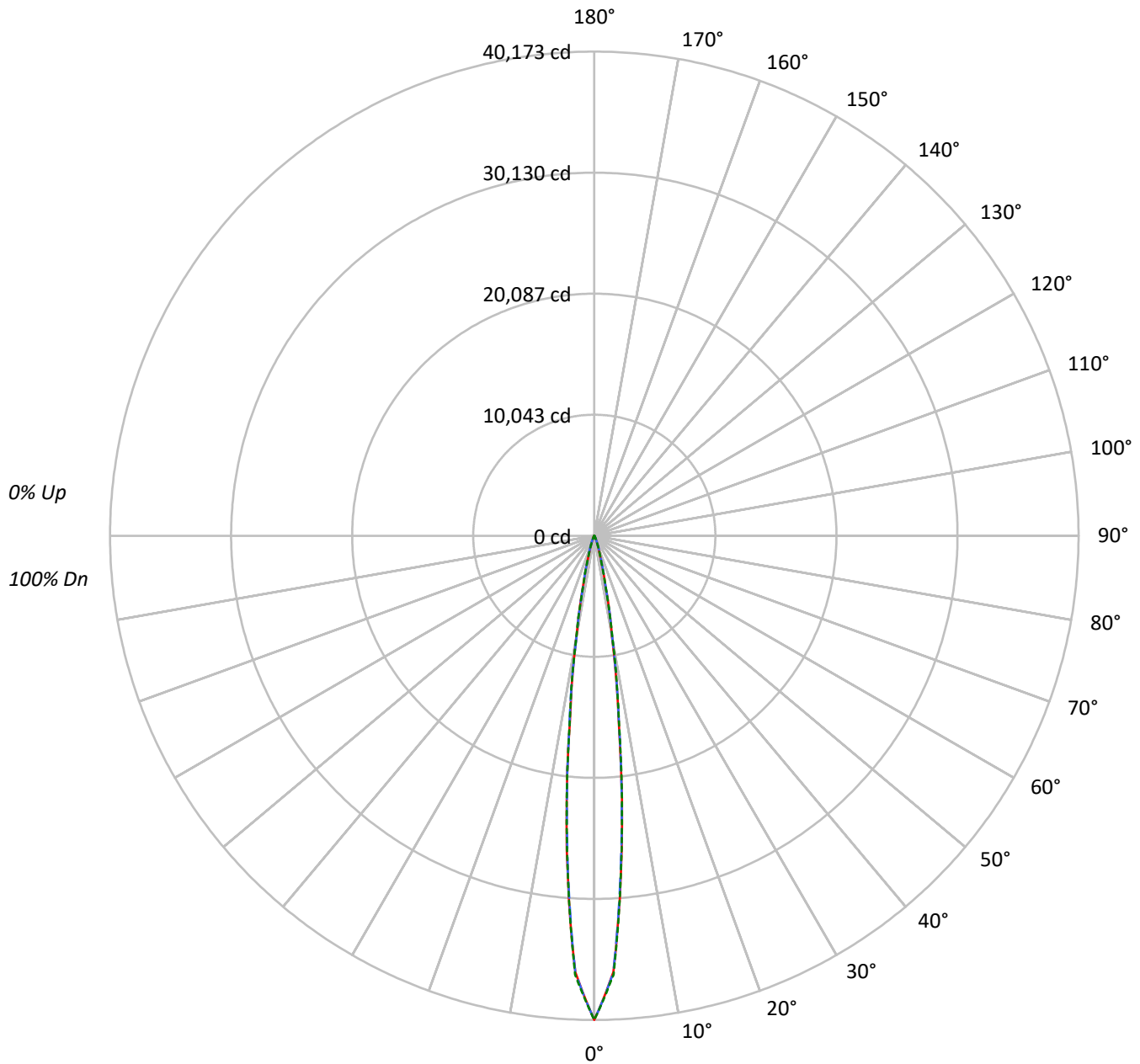
Downlight



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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					0
RW	70	50	30	10	70	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
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4520298	4520298	4520298
5°	2656336	2621944	2642687
10°	792797	798349	810563
15°	197200	201039	194837
20°	59002	68322	60254
25°	20799	26494	21064
30°	7638	10064	7765
35°	3827	4321	3704
40°	2414	2656	2414
45°	1785	1904	1785
50°	1419	1419	1419
55°	1183	1183	1183
60°	955	955	955
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1904 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1912.3	64.9
10°-20°	786.6	26.7
20°-30°	156.2	5.3
30°-40°	39.0	1.3
40°-50°	20.5	0.7
50°-60°	15.2	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	0.1
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°	2855.2	96.8
0°-40°	2894.1	98.2
0°-60°	2929.8	99.4
0°-90°	2948.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40173	40173	40173	40173	40173	
5°	26138	25869	25799	25978	26003	1909
15°	2270	2313	2315	2274	2243	778
25°	267	303	340	301	270	140
35°	53	56	60	56	51	36
45°	26	26	27	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40173.3	40173.3	40173.3	40173.3	40173.3
2.5°	36237.9	36268.5	36280.4	36316.1	36448.8
5°	26137.6	25868.9	25799.2	25977.8	26003.3
7.5°	15482.9	15537.3	15736.3	15780.5	15620.7
10°	8496.6	8566.3	8556.1	8617.3	8687.0
12.5°	4345.2	4290.8	4273.8	4343.5	4246.6
15°	2270.4	2312.9	2314.6	2273.8	2243.2
17.5°	1221.1	1270.4	1352.0	1285.7	1183.7
20°	721.1	765.3	835.0	780.6	736.4
22.5°	445.6	481.3	530.6	488.1	452.4
25°	267.0	302.7	340.1	301.0	270.4
27.5°	158.2	188.8	212.6	187.1	156.5
30°	102.0	119.0	134.4	117.3	103.7
32.5°	71.4	78.2	85.0	78.2	71.4
35°	52.7	56.1	59.5	56.1	51.0
37.5°	40.8	44.2	45.9	42.5	39.1
40°	34.0	35.7	37.4	35.7	34.0
42.5°	28.9	30.6	30.6	30.6	28.9
45°	25.5	25.5	27.2	25.5	25.5
47.5°	22.1	22.1	23.8	22.1	22.1
50°	20.4	20.4	20.4	20.4	20.4
52.5°	18.7	18.7	18.7	18.7	18.7
55°	17.0	17.0	17.0	17.0	17.0
57.5°	15.3	15.3	15.3	15.3	15.3
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)