

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: P791361

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR3020359040-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6187.6 lumens
Efficiency: N/A
Efficacy: 213.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

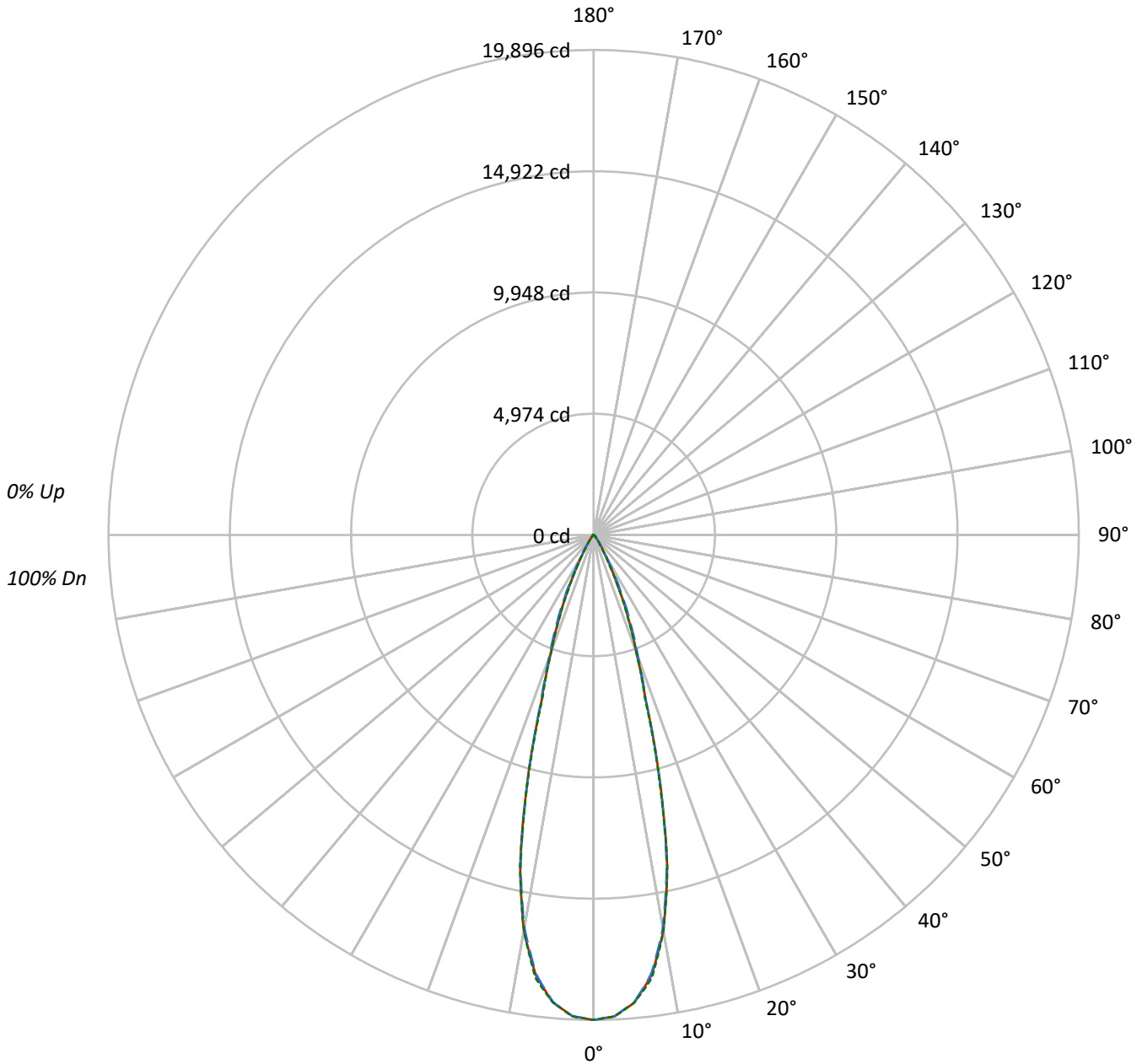
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1522907	1522907	1522907
5°	1479189	1477460	1479265
10°	1281206	1272166	1280903
15°	835924	831431	827255
20°	415661	431259	415107
25°	209384	236114	205094
30°	83833	91346	73041
35°	38881	37237	31219
40°	16787	18645	15807
45°	11842	14700	11951
50°	4073	10705	4299
55°	2349	4431	2482
60°	1638	1944	1638
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14700 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1749.6	28.3
10°-20°	2817.7	45.5
20°-30°	1217.6	19.7
30°-40°	277.5	4.5
40°-50°	95.3	1.5
50°-60°	23.3	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5784.8	93.5
0°-40°	6062.3	98.0
0°-60°	6180.9	99.9
0°-90°	6187.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6187.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19896	19896	19896	19896	19896	
5°	19251	19233	19229	19269	19252	1751
15°	10549	10422	10492	10458	10439	2825
25°	2479	2573	2796	2508	2428	1187
35°	416	425	398	396	334	282
45°	109	136	136	136	110	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19896.0	19896.0	19896.0	19896.0	19896.0
2.5°	19764.2	19750.5	19758.3	19768.1	19772.0
5°	19251.3	19232.8	19228.8	19268.9	19252.3
7.5°	18216.9	18190.5	18150.4	18241.3	18326.3
10°	16484.0	16454.7	16367.7	16410.7	16480.1
12.5°	13925.7	13830.9	13828.9	13965.7	13947.1
15°	10548.8	10421.8	10492.1	10457.9	10439.4
17.5°	7093.7	7044.9	7138.7	7110.3	6988.2
20°	5102.9	5115.6	5294.4	5204.5	5096.1
22.5°	3723.7	3769.6	3981.5	3750.0	3665.1
25°	2479.2	2573.0	2795.7	2507.5	2428.4
27.5°	1524.8	1567.8	1793.5	1505.3	1462.3
30°	948.5	927.0	1033.5	887.0	826.4
32.5°	622.2	594.9	629.1	564.6	515.8
35°	416.1	424.9	398.5	395.6	334.1
37.5°	259.8	298.9	263.7	281.3	214.9
40°	168.0	216.9	186.6	206.1	158.2
42.5°	137.7	167.0	153.4	163.1	140.7
45°	109.4	135.8	135.8	135.8	110.4
47.5°	60.6	90.8	116.2	92.8	64.5
50°	34.2	45.9	89.9	47.9	36.1
52.5°	23.4	26.4	61.5	27.4	24.4
55°	17.6	18.6	33.2	19.5	18.6
57.5°	13.7	14.7	17.6	14.7	13.7
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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