

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: P789456

Luminaire Tested: LER6D15D010-EC6DR1515309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789456
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: LER6D15D010-EC6DR1515309040-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1482.1 lumens
Efficiency: N/A
Efficacy: 93.8 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

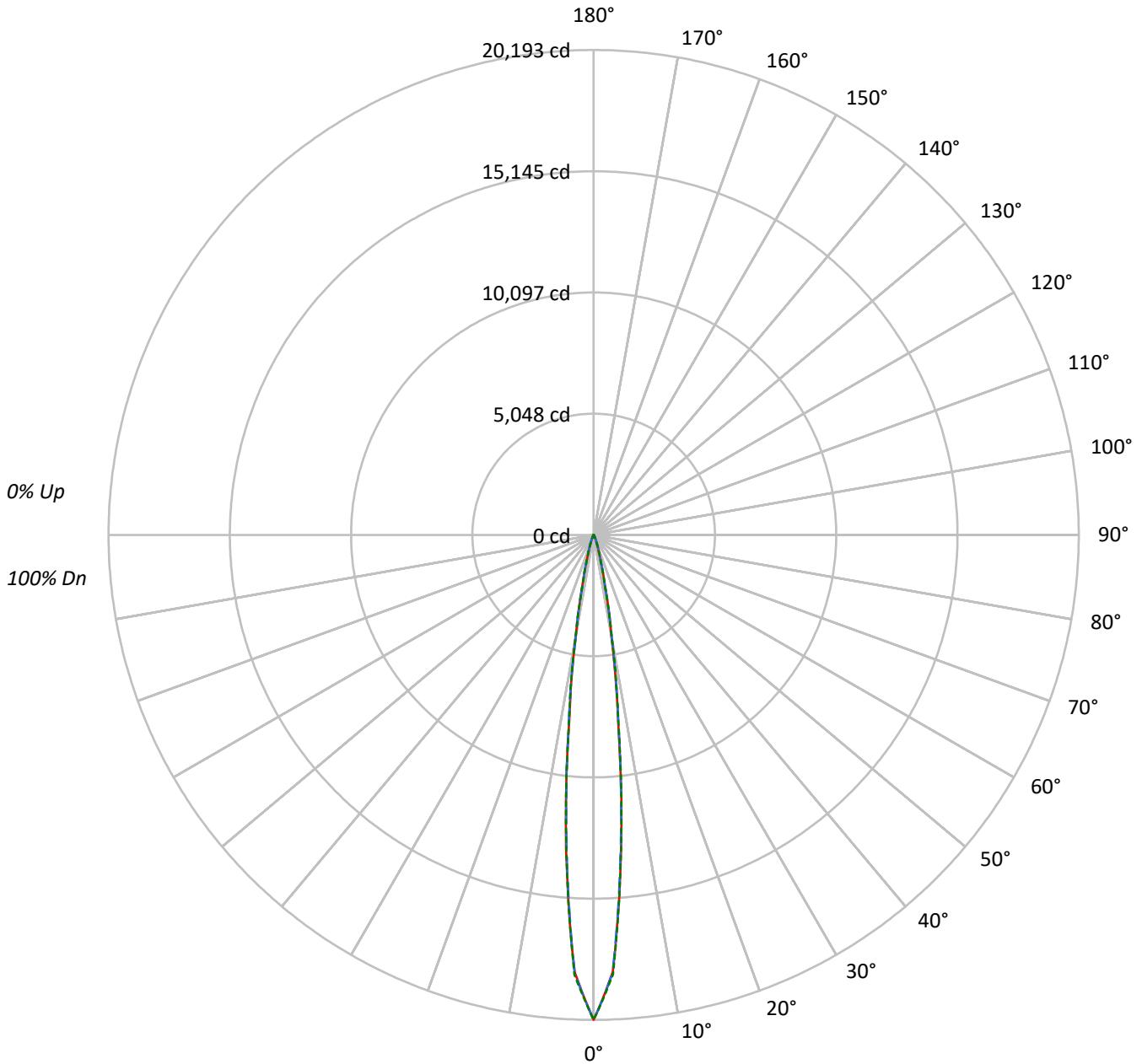
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2272104	2272104	2272104
5°	1335201	1317913	1328330
10°	398498	401288	407428
15°	99121	101049	97931
20°	29661	34341	30283
25°	10454	13321	10587
30°	3841	5054	3901
35°	1924	2171	1859
40°	1214	1335	1214
45°	896	959	896
50°	716	716	716
55°	592	592	592
60°	477	477	477
65°	364	364	364
70°	314	314	314
75°	197	197	257
80°	134	134	134
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 959 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.2	64.9
10°-20°	395.4	26.7
20°-30°	78.5	5.3
30°-40°	19.6	1.3
40°-50°	10.3	0.7
50°-60°	7.6	0.5
60°-70°	5.4	0.4
70°-80°	3.1	0.2
80°-90°	0.9	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°	1435.1	96.8
0°-40°	1454.7	98.2
0°-60°	1472.7	99.4
0°-90°	1482.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20193	20193	20193	20193	20193	
5°	13138	13003	12968	13058	13070	959
15°	1141	1163	1163	1143	1128	391
25°	134	152	171	151	136	70
35°	26	28	30	28	26	18
45°	13	13	14	13	13	10
55°	8	8	8	8	8	8
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20192.9	20192.9	20192.9	20192.9	20192.9
2.5°	18214.8	18230.2	18236.2	18254.2	18320.8
5°	13138.0	13002.9	12967.9	13057.6	13070.4
7.5°	7782.4	7809.8	7909.8	7932.0	7851.7
10°	4270.8	4305.8	4300.7	4331.5	4366.5
12.5°	2184.1	2156.8	2148.2	2183.3	2134.5
15°	1141.2	1162.6	1163.4	1142.9	1127.5
17.5°	613.8	638.6	679.6	646.3	595.0
20°	362.5	384.7	419.7	392.4	370.1
22.5°	224.0	241.9	266.7	245.3	227.4
25°	134.2	152.2	171.0	151.3	135.9
27.5°	79.5	94.9	106.9	94.0	78.6
30°	51.3	59.8	67.5	59.0	52.1
32.5°	35.9	39.3	42.7	39.3	35.9
35°	26.5	28.2	29.9	28.2	25.6
37.5°	20.5	22.2	23.1	21.4	19.7
40°	17.1	18.0	18.8	18.0	17.1
42.5°	14.5	15.4	15.4	15.4	14.5
45°	12.8	12.8	13.7	12.8	12.8
47.5°	11.1	11.1	12.0	11.1	11.1
50°	10.3	10.3	10.3	10.3	10.3
52.5°	9.4	9.4	9.4	9.4	9.4
55°	8.5	8.5	8.5	8.5	8.5
57.5°	7.7	7.7	7.7	7.7	7.7
60°	6.8	6.8	6.8	6.8	6.8
62.5°	6.0	6.0	6.0	6.0	6.0
65°	5.1	5.1	5.1	5.1	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.6	2.6	2.6	2.6	3.4
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9
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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