

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: P790488

Luminaire Tested: LER6D20D010-EC6DR6020359035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR6020359035-6LBDDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3543.5 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

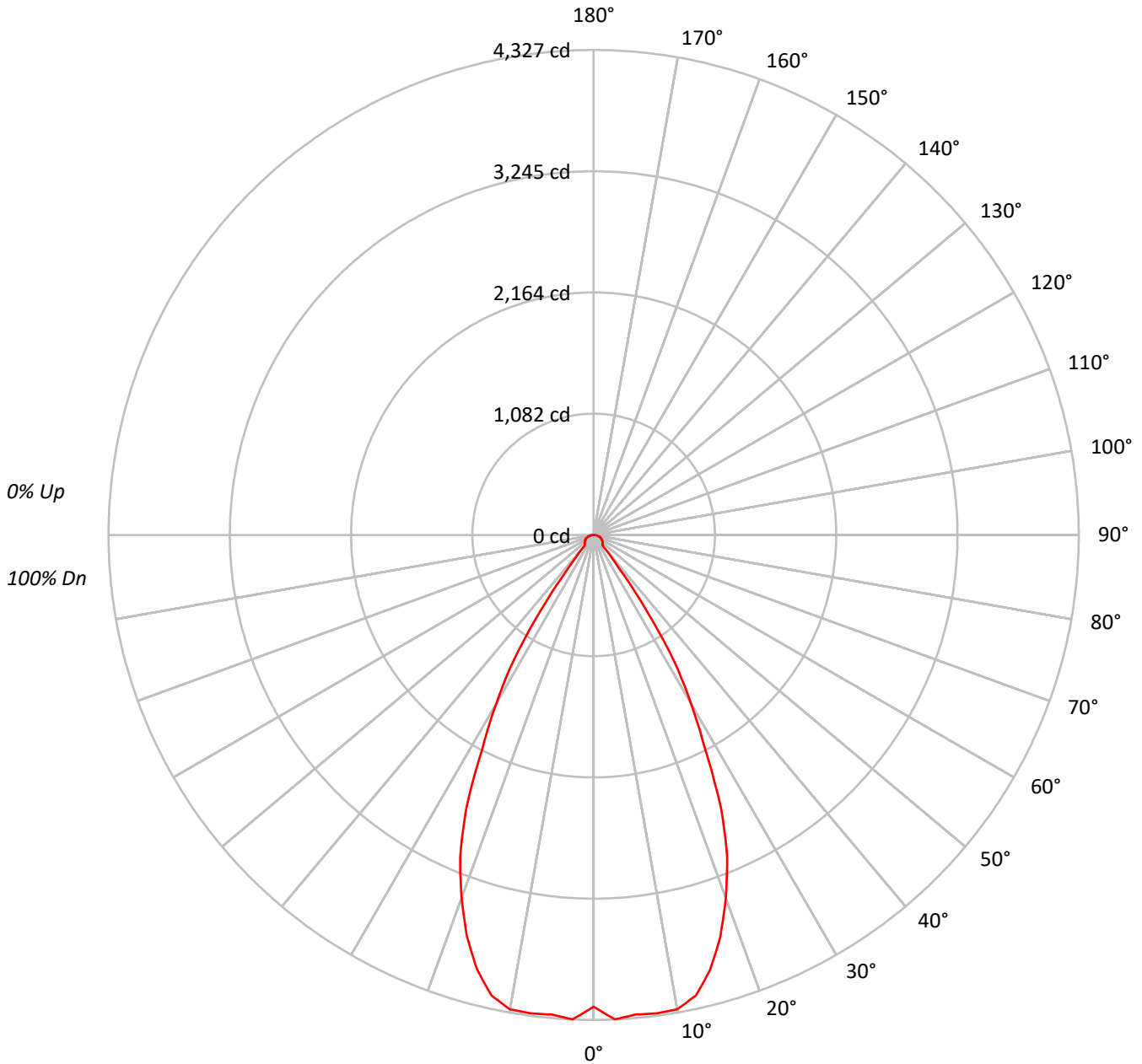
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459802
5°	471111
10°	476803
15°	454214
20°	400479
25°	323922
30°	219108
35°	109787
40°	17814
45°	17430
50°	17780
55°	18039
60°	18552
65°	18976
70°	19423
75°	19672
80°	18939
85°	15796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 19672 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	11.6
10°-20°	1110.7	31.3
20°-30°	1195.1	33.7
30°-40°	519.5	14.7
40°-50°	87.2	2.5
50°-60°	84.8	2.4
60°-70°	72.6	2.0
70°-80°	48.6	1.4
80°-90°	14.5	0.4
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°	2716.3	76.7
0°-40°	3235.8	91.3
0°-60°	3407.8	96.2
0°-90°	3543.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3543.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4208	
5°	4295	411
15°	4016	1111
25°	2687	1195
35°	823	519
45°	113	87
55°	95	85
65°	73	73
75°	47	49
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4208.3
2.5°	4326.6
5°	4295.4
7.5°	4305.2
10°	4297.6
12.5°	4208.9
15°	4015.5
17.5°	3755.9
20°	3444.3
22.5°	3110.8
25°	2686.9
27.5°	2149.1
30°	1736.7
32.5°	1338.5
35°	823.1
37.5°	352.2
40°	124.9
42.5°	115.0
45°	112.8
47.5°	109.0
50°	104.6
52.5°	99.7
55°	94.7
57.5°	89.8
60°	84.9
62.5°	79.4
65°	73.4
67.5°	67.4
70°	60.8
72.5°	53.7
75°	46.6
77.5°	38.3
80°	30.1
82.5°	21.4
85°	12.6
87.5°	4.4
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)