

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: P792103

Luminaire Tested: LER6D35BD010-EC6DR6020359027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792103
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: LER6D35BD010-EC6DR6020359027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2915.1 lumens
Efficiency: N/A
Efficacy: 94.6 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): 30.8
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

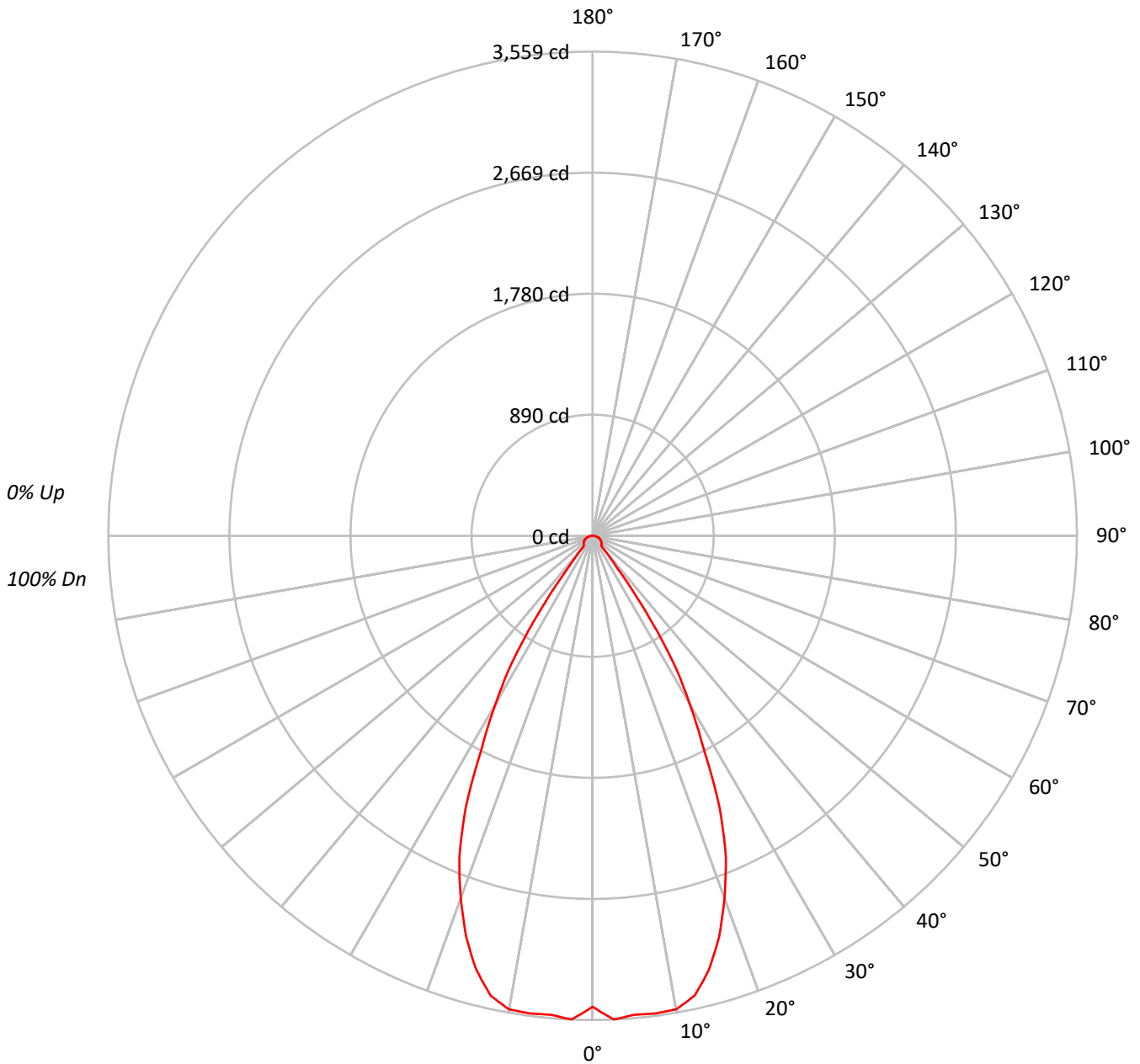


Downlight

TEST NUMBER: P792103

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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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378261
5°	387559
10°	392239
15°	373664
20°	329459
25°	266477
30°	180250
35°	90327
40°	14648
45°	14339
50°	14635
55°	14839
60°	15253
65°	15615
70°	15973
75°	16168
80°	15604
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.7	11.6
10°-20°	913.7	31.3
20°-30°	983.1	33.7
30°-40°	427.3	14.7
40°-50°	71.8	2.5
50°-60°	69.8	2.4
60°-70°	59.7	2.0
70°-80°	39.9	1.4
80°-90°	12.0	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°	2234.6	76.7
0°-40°	2661.9	91.3
0°-60°	2803.5	96.2
0°-90°	2915.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3462	
5°	3534	338
15°	3303	914
25°	2210	983
35°	677	427
45°	93	72
55°	78	70
65°	60	60
75°	38	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3462.0
2.5°	3559.3
5°	3533.6
7.5°	3541.7
10°	3535.4
12.5°	3462.4
15°	3303.4
17.5°	3089.8
20°	2833.5
22.5°	2559.1
25°	2210.4
27.5°	1767.9
30°	1428.7
32.5°	1101.1
35°	677.2
37.5°	289.7
40°	102.7
42.5°	94.6
45°	92.8
47.5°	89.7
50°	86.1
52.5°	82.0
55°	77.9
57.5°	73.9
60°	69.8
62.5°	65.3
65°	60.4
67.5°	55.4
70°	50.0
72.5°	44.2
75°	38.3
77.5°	31.5
80°	24.8
82.5°	17.6
85°	10.4
87.5°	3.6
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)