

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: P792127

Luminaire Tested: LER6D35BD010-EC6DR6020359040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792127
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-EC6DR6020359040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3176.6 lumens
Efficiency: N/A
Efficacy: 103.1 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

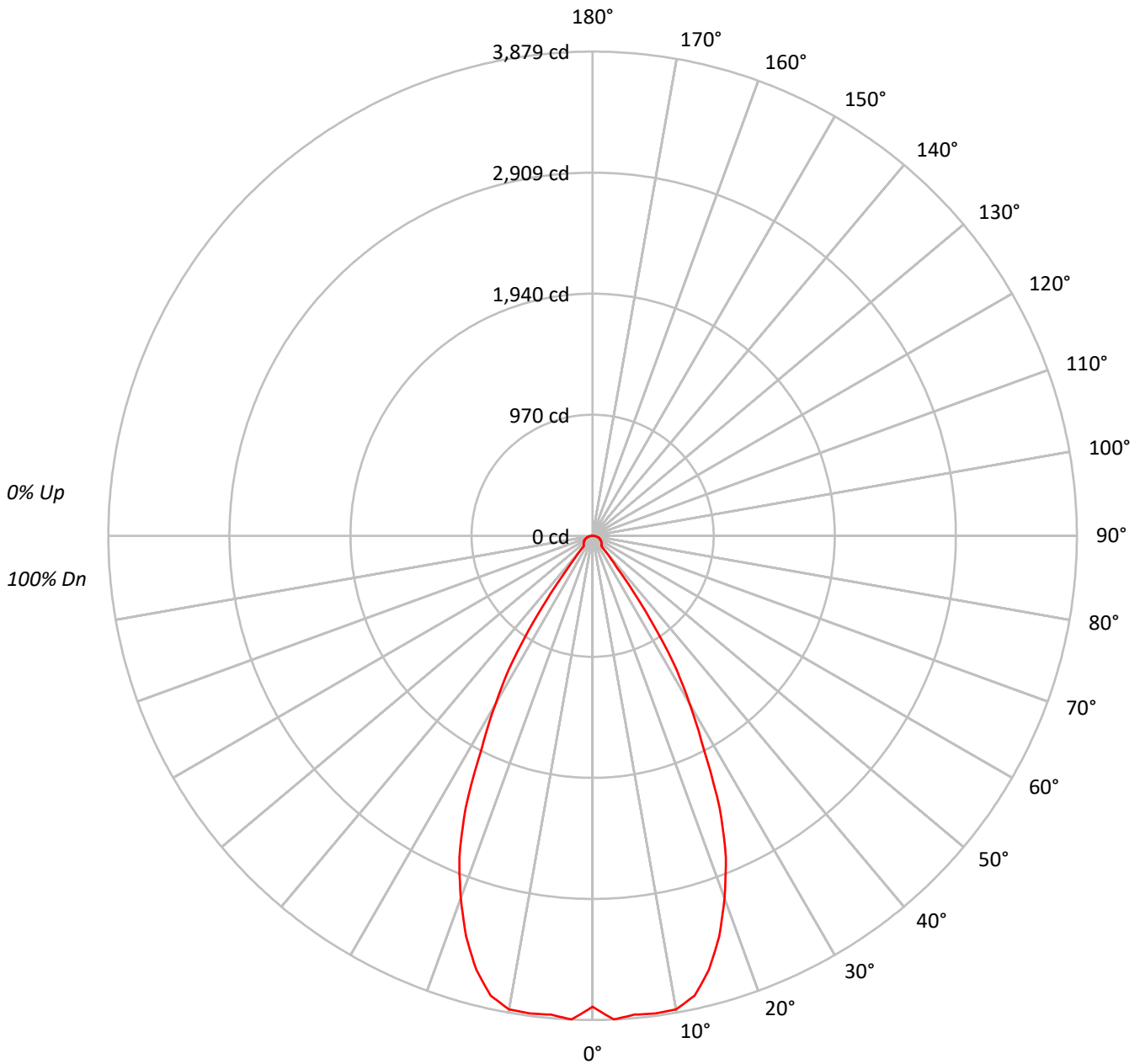


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	412197
5°	422338
10°	427443
15°	407192
20°	359016
25°	290383
30°	196424
35°	98423
40°	15960
45°	15622
50°	15944
55°	16173
60°	16629
65°	17011
70°	17410
75°	17604
80°	16989
85°	14166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 17604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.0	11.6
10°-20°	995.7	31.3
20°-30°	1071.3	33.7
30°-40°	465.7	14.7
40°-50°	78.2	2.5
50°-60°	76.1	2.4
60°-70°	65.1	2.0
70°-80°	43.5	1.4
80°-90°	13.0	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°	2435.1	76.7
0°-40°	2900.7	91.3
0°-60°	3055.0	96.2
0°-90°	3176.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3176.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3773	
5°	3851	368
15°	3600	996
25°	2409	1071
35°	738	466
45°	101	78
55°	85	76
65°	66	65
75°	42	44
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3772.6
2.5°	3878.7
5°	3850.7
7.5°	3859.5
10°	3852.7
12.5°	3773.1
15°	3599.8
17.5°	3367.1
20°	3087.7
22.5°	2788.7
25°	2408.7
27.5°	1926.6
30°	1556.9
32.5°	1199.9
35°	737.9
37.5°	315.7
40°	111.9
42.5°	103.1
45°	101.1
47.5°	97.7
50°	93.8
52.5°	89.4
55°	84.9
57.5°	80.5
60°	76.1
62.5°	71.2
65°	65.8
67.5°	60.4
70°	54.5
72.5°	48.1
75°	41.7
77.5°	34.4
80°	27.0
82.5°	19.1
85°	11.3
87.5°	3.9
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)