

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: P792192

Luminaire Tested: LER6D35BD010-EC6DR7020359024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR7020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3289.2 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

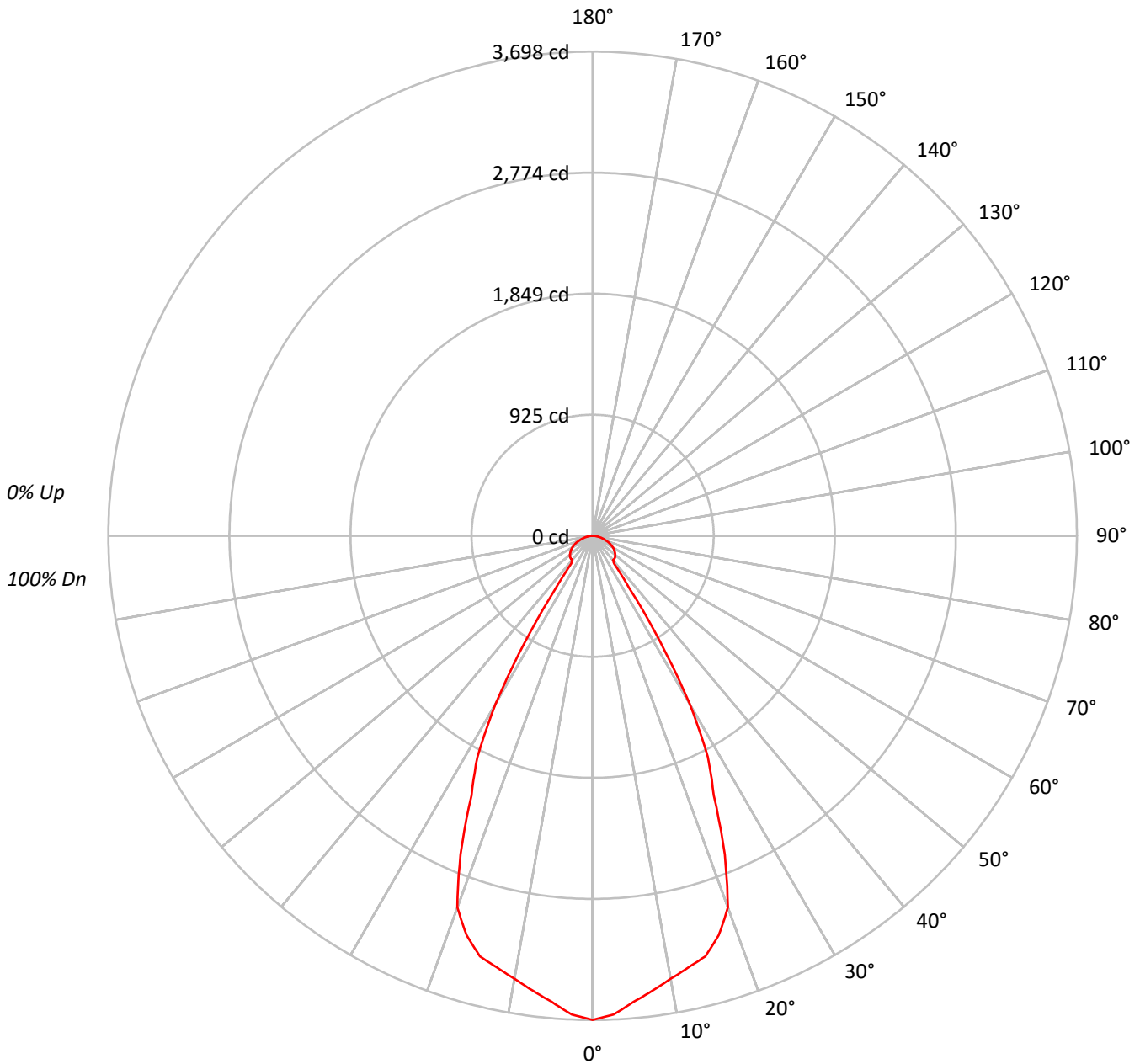


Downlight

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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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	404057
5°	392044
10°	381123
15°	376119
20°	351214
25°	263849
30°	186520
35°	66064
40°	34745
45°	37007
50°	38313
55°	39031
60°	39290
65°	38444
70°	36290
75°	33603
80°	29824
85°	24195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 39290 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	10.3
10°-20°	924.8	28.1
20°-30°	1018.5	31.0
30°-40°	389.2	11.8
40°-50°	183.8	5.6
50°-60°	182.7	5.6
60°-70°	146.3	4.4
70°-80°	84.0	2.6
80°-90°	22.8	0.7
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°	2280.5	69.3
0°-40°	2669.6	81.2
0°-60°	3036.1	92.3
0°-90°	3289.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3289.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3698	
5°	3574	337
15°	3325	925
25°	2189	1019
35°	495	389
45°	240	184
55°	205	183
65°	149	146
75°	80	84
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3698.1
2.5°	3659.4
5°	3574.5
7.5°	3503.7
10°	3435.2
12.5°	3377.2
15°	3325.1
17.5°	3199.2
20°	3020.6
22.5°	2635.4
25°	2188.6
27.5°	1905.2
30°	1478.4
32.5°	955.0
35°	495.3
37.5°	267.6
40°	243.6
42.5°	241.8
45°	239.5
47.5°	234.2
50°	225.4
52.5°	215.5
55°	204.9
57.5°	193.2
60°	179.8
62.5°	164.5
65°	148.7
67.5°	131.2
70°	113.6
72.5°	96.0
75°	79.6
77.5°	62.6
80°	47.4
82.5°	33.4
85°	19.3
87.5°	7.6
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)