

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: P771715

Luminaire Tested: LD6D75BD010-EU6DR7070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771715
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: LD6D75BD010-EU6DR7070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5063.1 lumens
Efficiency: N/A
Efficacy: 69.9 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): 72.4
Input Voltage (V): NR
Input Current (Ain): 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

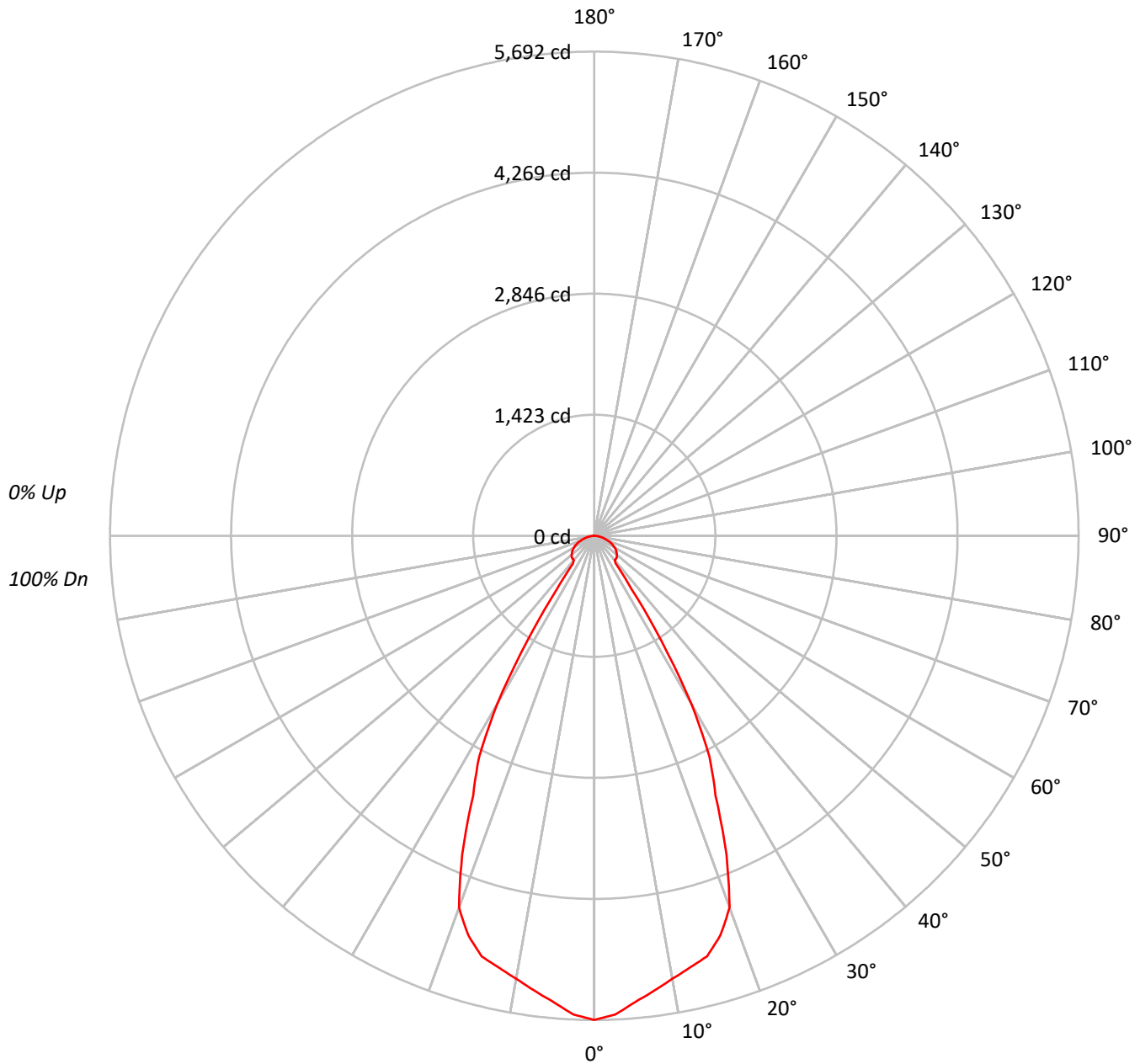


Downlight

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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°	621956
5°	603482
10°	586662
15°	578957
20°	540634
25°	406153
30°	287110
35°	101704
40°	53472
45°	56955
50°	58983
55°	60081
60°	60465
65°	59178
70°	55841
75°	51756
80°	45932
85°	37233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 60477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.0	10.3
10°-20°	1423.5	28.1
20°-30°	1567.8	31.0
30°-40°	599.0	11.8
40°-50°	282.8	5.6
50°-60°	281.2	5.6
60°-70°	225.1	4.4
70°-80°	129.4	2.6
80°-90°	35.2	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°	3510.4	69.3
0°-40°	4109.4	81.2
0°-60°	4673.4	92.3
0°-90°	5063.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5063.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5692	
5°	5502	519
15°	5118	1424
25°	3369	1568
35°	762	599
45°	369	283
55°	315	281
65°	229	225
75°	123	129
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5692.4
2.5°	5633.0
5°	5502.3
7.5°	5393.2
10°	5287.8
12.5°	5198.5
15°	5118.3
17.5°	4924.6
20°	4649.7
22.5°	4056.6
25°	3369.0
27.5°	2932.7
30°	2275.7
32.5°	1470.0
35°	762.5
37.5°	411.9
40°	374.9
42.5°	372.2
45°	368.6
47.5°	360.5
50°	347.0
52.5°	331.7
55°	315.4
57.5°	297.4
60°	276.7
62.5°	253.3
65°	228.9
67.5°	201.9
70°	174.8
72.5°	147.8
75°	122.6
77.5°	96.4
80°	73.0
82.5°	51.4
85°	29.7
87.5°	11.7
90°	0.0



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— 0°-180°







(END OF REPORT)