

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: P766882

Luminaire Tested: LD6D45BD010-EU6DR6040509035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766882
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: LD6D45BD010-EU6DR6040509035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4500.4 lumens
Efficiency: N/A
Efficacy: 116.3 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

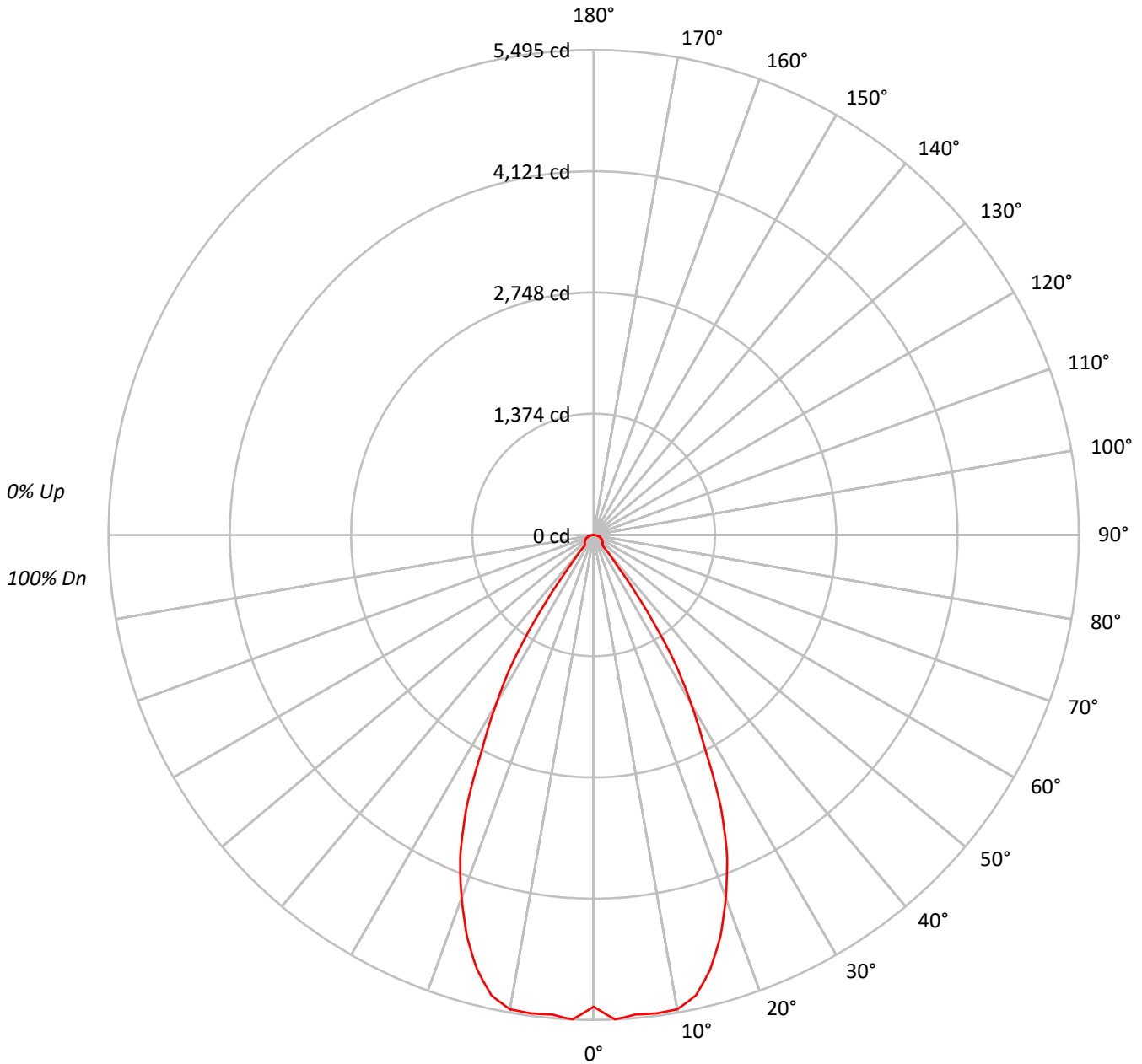
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	583977
5°	598338
10°	605556
15°	576875
20°	508624
25°	411397
30°	278279
35°	139438
40°	22621
45°	22142
50°	22590
55°	22916
60°	23557
65°	24095
70°	24662
75°	24949
80°	24099
85°	20058

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24949 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.4	11.6
10°-20°	1410.7	31.3
20°-30°	1517.8	33.7
30°-40°	659.7	14.7
40°-50°	110.8	2.5
50°-60°	107.7	2.4
60°-70°	92.2	2.0
70°-80°	61.7	1.4
80°-90°	18.5	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°	3449.8	76.7
0°-40°	4109.6	91.3
0°-60°	4328.1	96.2
0°-90°	4500.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4500.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5345	
5°	5455	521
15°	5100	1411
25°	3412	1518
35°	1045	660
45°	143	111
55°	120	108
65°	93	92
75°	59	62
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5344.8
2.5°	5495.0
5°	5455.4
7.5°	5467.9
10°	5458.1
12.5°	5345.5
15°	5099.9
17.5°	4770.2
20°	4374.4
22.5°	3950.8
25°	3412.5
27.5°	2729.4
30°	2205.7
32.5°	1700.0
35°	1045.4
37.5°	447.3
40°	158.6
42.5°	146.1
45°	143.3
47.5°	138.4
50°	132.9
52.5°	126.6
55°	120.3
57.5°	114.1
60°	107.8
62.5°	100.9
65°	93.2
67.5°	85.6
70°	77.2
72.5°	68.2
75°	59.1
77.5°	48.7
80°	38.3
82.5°	27.1
85°	16.0
87.5°	5.6
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)