

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: P788538

Luminaire Tested: LER6D08D010-EC6DR500210IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR500210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1413.3 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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

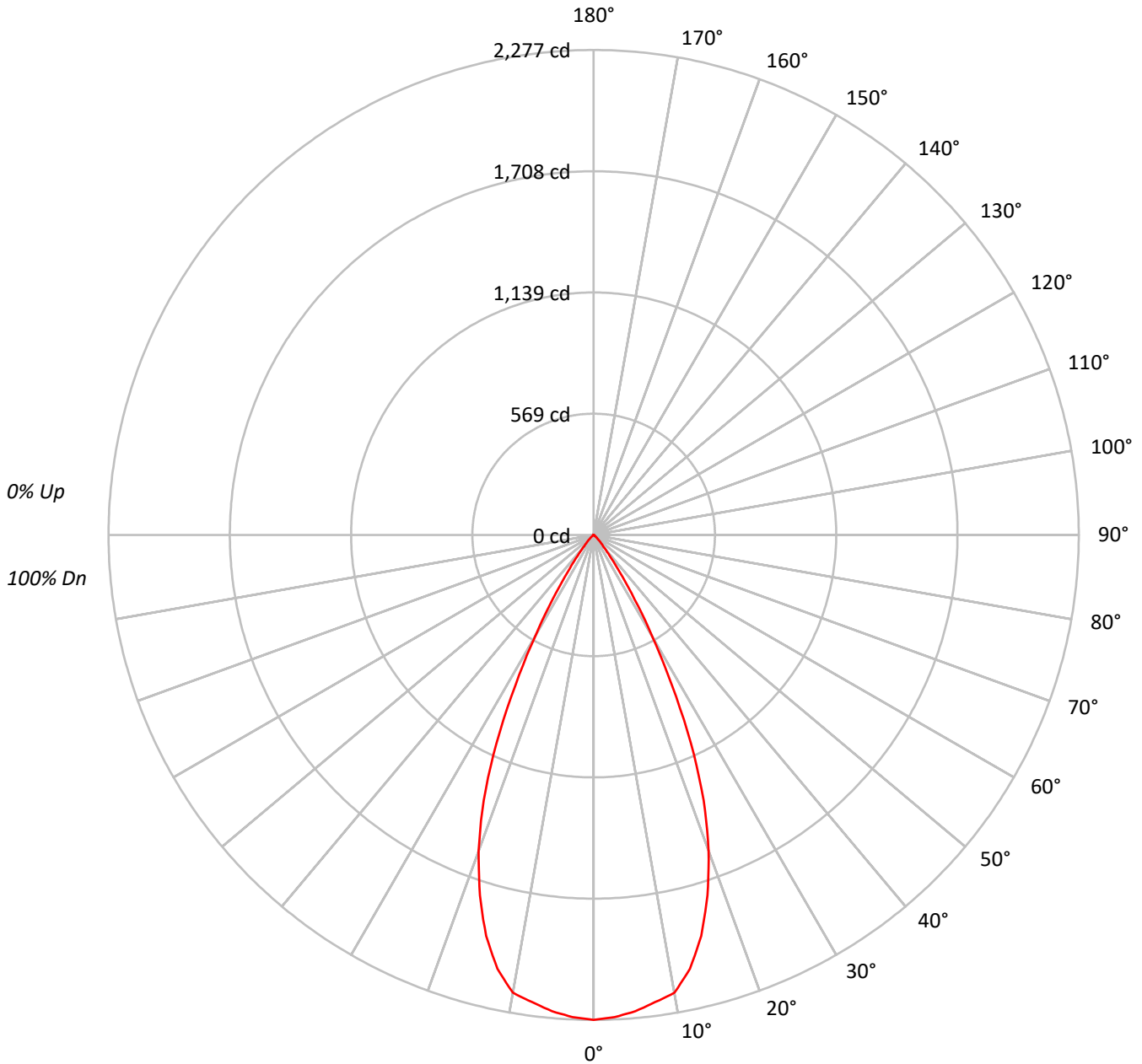


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95																											
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90																											
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85																											
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80																											
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76																											
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72																											
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69																											
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																											
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																											
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248809
5°	246194
10°	242140
15°	220495
20°	183479
25°	130237
30°	68936
35°	28090
40°	10426
45°	4775
50°	1955
55°	1029
60°	503
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.2	15.0
10°-20°	536.2	37.9
20°-30°	481.7	34.1
30°-40°	150.8	10.7
40°-50°	26.4	1.9
50°-60°	5.3	0.4
60°-70°	0.8	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1230.0	87.0
0°-40°	1380.9	97.7
0°-60°	1412.5	99.9
0°-90°	1413.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1413.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2277	
5°	2245	212
15°	1949	536
25°	1080	482
35°	211	151
45°	31	26
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2277.2
2.5°	2265.9
5°	2244.7
7.5°	2212.5
10°	2182.5
12.5°	2086.5
15°	1949.3
17.5°	1774.9
20°	1578.0
22.5°	1350.1
25°	1080.3
27.5°	794.3
30°	546.4
32.5°	355.8
35°	210.6
37.5°	121.0
40°	73.1
42.5°	47.6
45°	30.9
47.5°	18.8
50°	11.5
52.5°	7.9
55°	5.4
57.5°	3.6
60°	2.3
62.5°	1.3
65°	0.6
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)