

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: P788639

Luminaire Tested: LER6D08D010-EC6DR600210IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788639
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: LER6D08D010-EC6DR600210IC9040-6LBDP1B
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: 1162.5 lumens
Efficiency: N/A
Efficacy: 130.6 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): 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

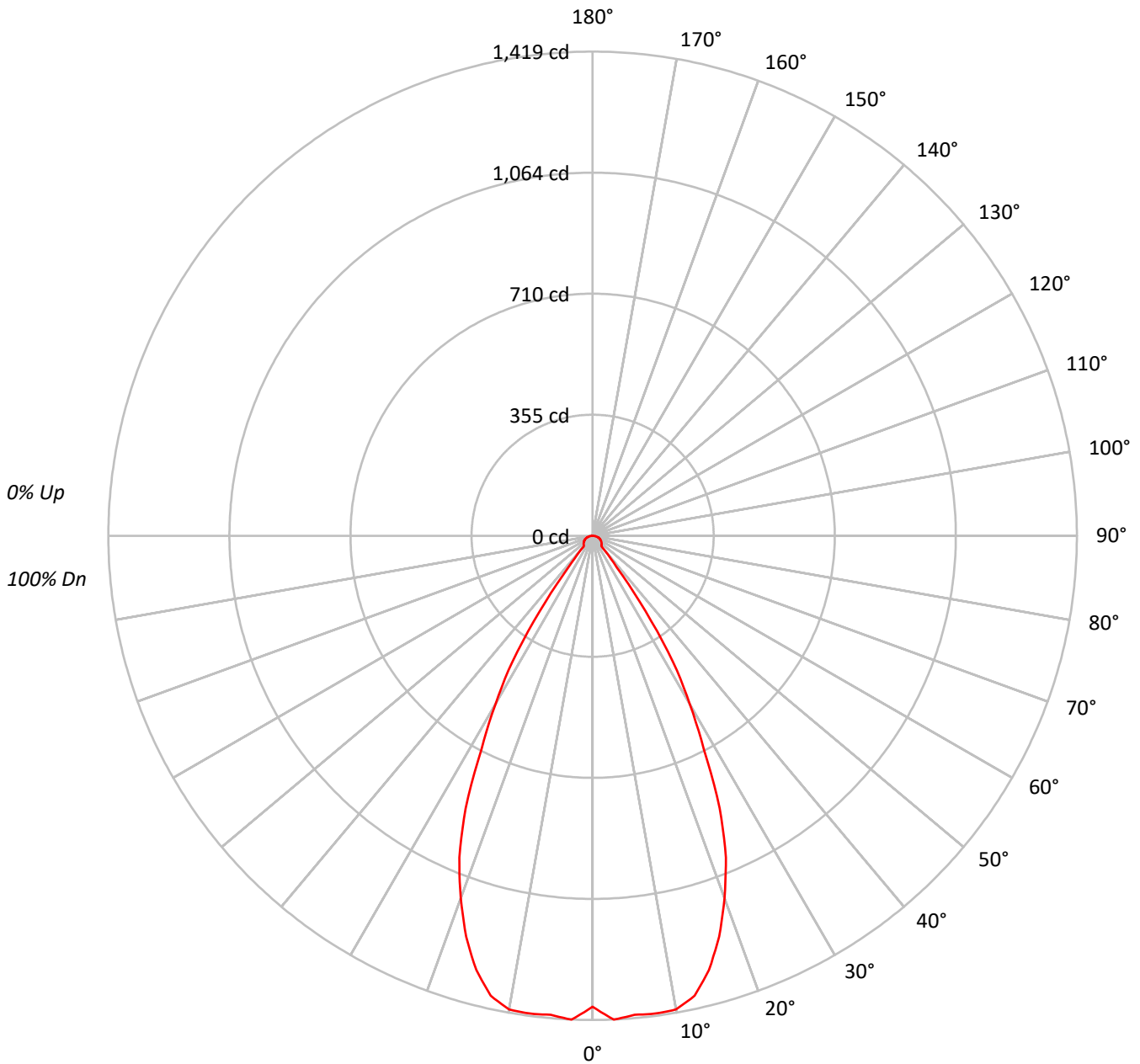


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150845
5°	154558
10°	156423
15°	149018
20°	131388
25°	106270
30°	71875
35°	36013
40°	5848
45°	5717
50°	5830
55°	5924
60°	6075
65°	6231
70°	6357
75°	6459
80°	6229
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	11.6
10°-20°	364.4	31.3
20°-30°	392.0	33.7
30°-40°	170.4	14.7
40°-50°	28.6	2.5
50°-60°	27.8	2.4
60°-70°	23.8	2.0
70°-80°	15.9	1.4
80°-90°	4.7	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°	891.1	76.7
0°-40°	1061.5	91.3
0°-60°	1118.0	96.2
0°-90°	1162.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1381	
5°	1409	135
15°	1317	364
25°	882	392
35°	270	170
45°	37	29
55°	31	28
65°	24	24
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1380.6
2.5°	1419.4
5°	1409.2
7.5°	1412.4
10°	1409.9
12.5°	1380.8
15°	1317.4
17.5°	1232.2
20°	1130.0
22.5°	1020.5
25°	881.5
27.5°	705.0
30°	569.7
32.5°	439.1
35°	270.0
37.5°	115.5
40°	41.0
42.5°	37.7
45°	37.0
47.5°	35.8
50°	34.3
52.5°	32.7
55°	31.1
57.5°	29.5
60°	27.8
62.5°	26.1
65°	24.1
67.5°	22.1
70°	19.9
72.5°	17.6
75°	15.3
77.5°	12.6
80°	9.9
82.5°	7.0
85°	4.1
87.5°	1.4
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)