

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: P793159

Luminaire Tested: LER6D45BD010-EC6DR7040509027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793159
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: LER6D45BD010-EC6DR7040509027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2795.5 lumens
Efficiency: N/A
Efficacy: 72.2 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): 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

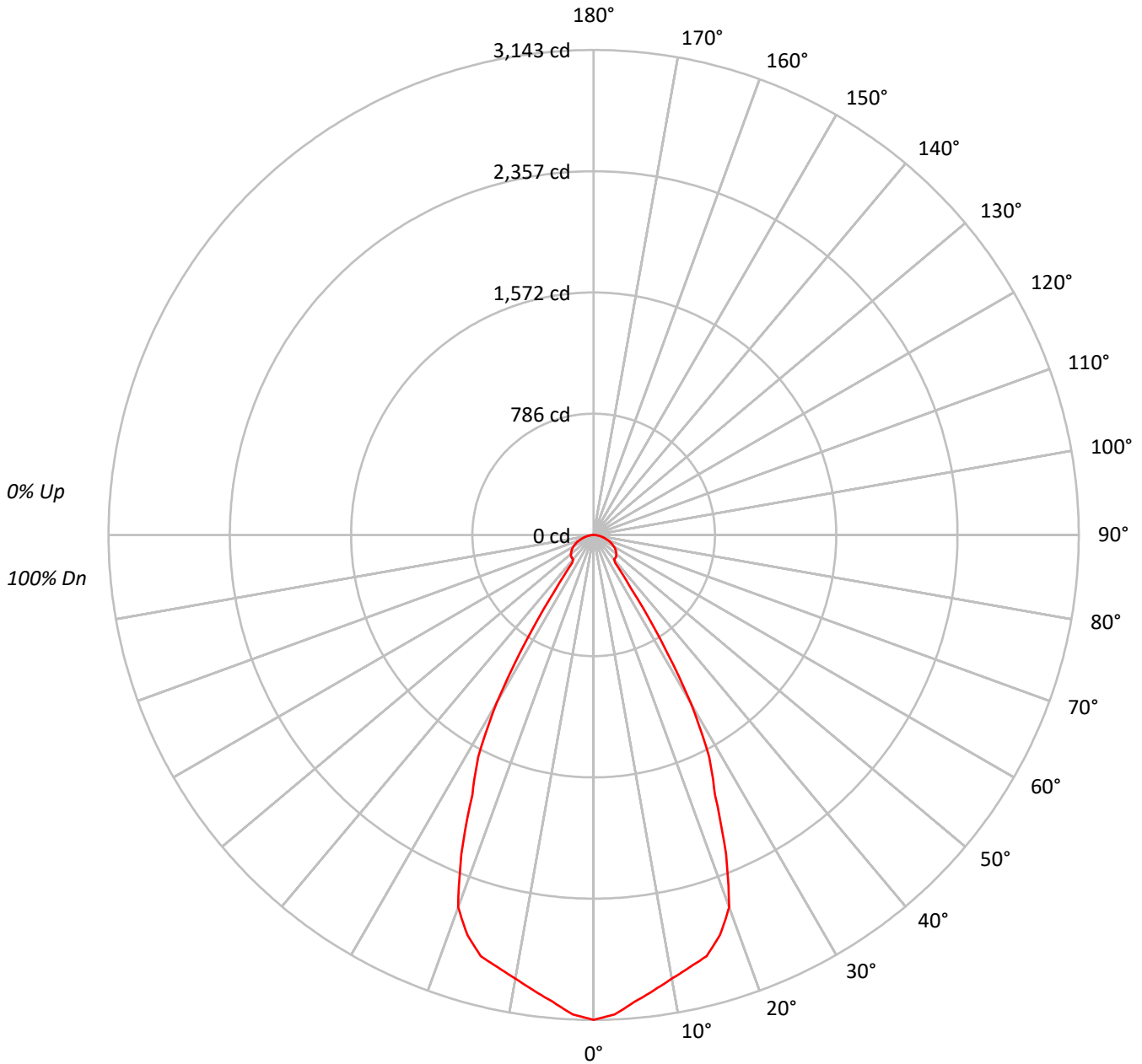


Downlight

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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			
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°	343396
5°	333191
10°	323908
15°	319652
20°	298496
25°	224246
30°	158524
35°	56154
40°	29524
45°	31444
50°	32568
55°	33183
60°	33390
65°	32679
70°	30828
75°	28580
80°	25357
85°	20559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 33390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	10.3
10°-20°	786.0	28.1
20°-30°	865.6	31.0
30°-40°	330.7	11.8
40°-50°	156.2	5.6
50°-60°	155.3	5.6
60°-70°	124.3	4.4
70°-80°	71.4	2.6
80°-90°	19.4	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°	1938.2	69.3
0°-40°	2268.9	81.2
0°-60°	2580.3	92.3
0°-90°	2795.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2795.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3143	
5°	3038	287
15°	2826	786
25°	1860	866
35°	421	331
45°	204	156
55°	174	155
65°	126	124
75°	68	71
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3142.9
2.5°	3110.1
5°	3037.9
7.5°	2977.7
10°	2919.5
12.5°	2870.2
15°	2825.9
17.5°	2719.0
20°	2567.2
22.5°	2239.8
25°	1860.1
27.5°	1619.2
30°	1256.5
32.5°	811.6
35°	421.0
37.5°	227.4
40°	207.0
42.5°	205.5
45°	203.5
47.5°	199.0
50°	191.6
52.5°	183.1
55°	174.2
57.5°	164.2
60°	152.8
62.5°	139.8
65°	126.4
67.5°	111.5
70°	96.5
72.5°	81.6
75°	67.7
77.5°	53.2
80°	40.3
82.5°	28.4
85°	16.4
87.5°	6.5
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)