

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: P772743

Luminaire Tested: LD6D85BD010-EU6DR3570959040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR3570959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10395.9 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

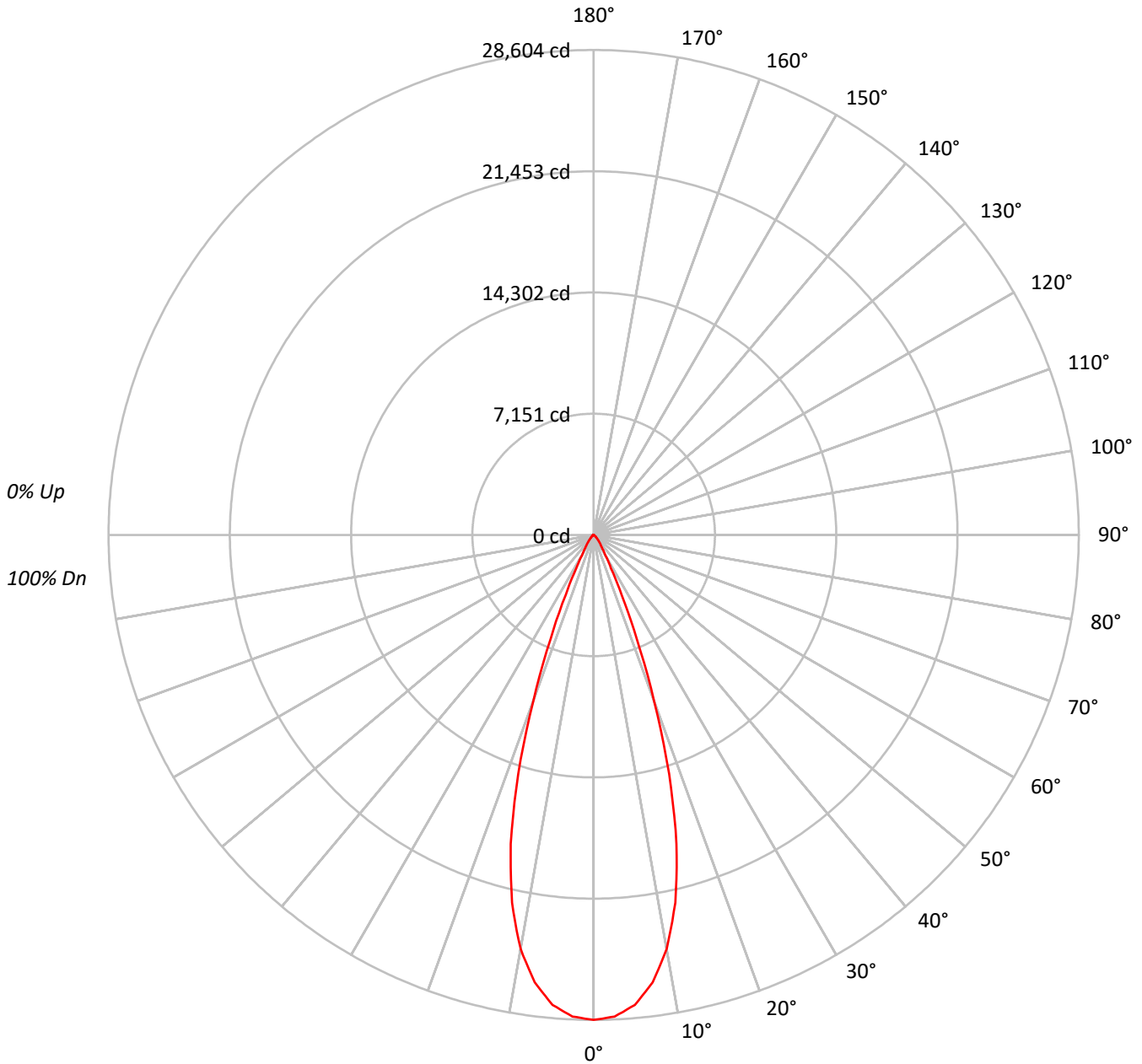
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																											
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88																											
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																											
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																											
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																											
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75																											
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																											
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																											
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3125316
5°	3051881
10°	2750558
15°	2134877
20°	1210866
25°	471084
30°	175746
35°	96329
40°	62971
45°	38320
50°	24392
55°	17239
60°	12609
65°	6851
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2559.1	24.6
10°-20°	4996.6	48.1
20°-30°	2037.8	19.6
30°-40°	487.7	4.7
40°-50°	203.2	2.0
50°-60°	84.1	0.8
60°-70°	26.3	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9593.5	92.3
0°-40°	10081.2	97.0
0°-60°	10368.5	99.7
0°-90°	10395.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10395.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28604	
5°	27826	###
15°	18874	4997
25°	3908	2038
35°	722	488
45°	248	203
55°	90	84
65°	26	26
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	28604.2
2.5°	28432.6
5°	27825.8
7.5°	26615.3
10°	24791.8
12.5°	22224.2
15°	18873.5
17.5°	14775.5
20°	10414.0
22.5°	6640.6
25°	3907.6
27.5°	2208.8
30°	1393.0
32.5°	978.1
35°	722.2
37.5°	558.5
40°	441.5
42.5°	340.1
45°	248.0
47.5°	185.6
50°	143.5
52.5°	113.9
55°	90.5
57.5°	73.3
60°	57.7
62.5°	42.1
65°	26.5
67.5°	9.4
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.6
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)