

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: P772669

Luminaire Tested: LD6D85BD010-EU6DR3070959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR3070959040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11187.9 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

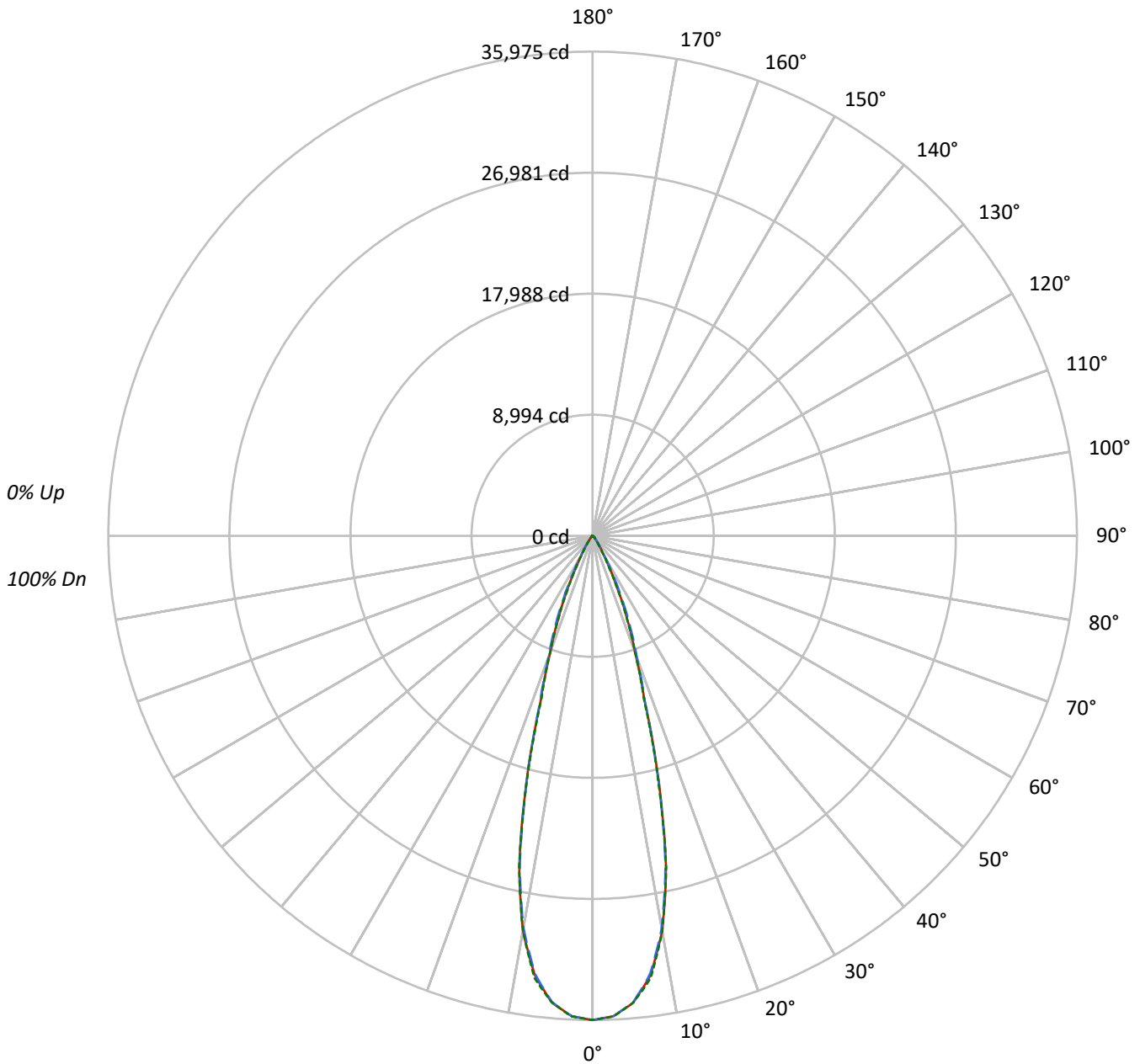
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2753618	2753618	2753618
5°	2674561	2671442	2674700
10°	2316578	2300240	2316026
15°	1511452	1503337	1495778
20°	751576	779776	750566
25°	378592	426918	370831
30°	151580	165164	132064
35°	70306	67334	56448
40°	30356	33703	28587
45°	21412	26575	21606
50°	7359	19351	7788
55°	4244	8020	4484
60°	2970	3521	2970
65°	1920	1920	1920
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3163.4	28.3
10°-20°	5094.7	45.5
20°-30°	2201.6	19.7
30°-40°	501.8	4.5
40°-50°	172.3	1.5
50°-60°	42.1	0.4
60°-70°	10.9	0.1
70°-80°	1.2	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°	10459.7	93.5
0°-40°	10961.5	98.0
0°-60°	11175.9	99.9
0°-90°	11187.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11187.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35975	35975	35975	35975	35975	
5°	34809	34775	34768	34841	34811	3166
15°	19074	18844	18971	18909	18876	5107
25°	4483	4652	5055	4534	4391	2146
35°	752	768	721	715	604	510
45°	198	246	246	246	200	140
55°	32	34	60	35	34	31
65°	11	11	11	11	11	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35974.6	35974.6	35974.6	35974.6	35974.6
2.5°	35736.1	35711.4	35725.5	35743.2	35750.2
5°	34808.8	34775.3	34768.2	34840.6	34810.6
7.5°	32938.4	32890.7	32818.3	32982.6	33136.2
10°	29805.1	29752.1	29594.9	29672.6	29798.0
12.5°	25179.4	25008.0	25004.5	25251.8	25218.2
15°	19073.5	18843.9	18971.1	18909.2	18875.7
17.5°	12826.4	12738.0	12907.6	12856.4	12635.6
20°	9226.8	9249.7	9573.0	9410.5	9214.4
22.5°	6732.9	6815.9	7199.1	6780.6	6626.9
25°	4482.7	4652.2	5054.9	4533.9	4390.8
27.5°	2757.1	2834.8	3242.8	2721.8	2644.0
30°	1715.0	1676.2	1868.7	1603.7	1494.2
32.5°	1125.1	1075.6	1137.5	1020.9	932.6
35°	752.4	768.3	720.6	715.3	604.1
37.5°	469.8	540.5	476.9	508.7	388.6
40°	303.8	392.1	337.3	372.7	286.1
42.5°	249.0	302.0	277.3	295.0	254.3
45°	197.8	245.5	245.5	245.5	199.6
47.5°	109.5	164.3	210.2	167.8	116.6
50°	61.8	83.0	162.5	86.5	65.4
52.5°	42.4	47.7	111.3	49.5	44.2
55°	31.8	33.6	60.1	35.3	33.6
57.5°	24.7	26.5	31.8	26.5	24.7
60°	19.4	19.4	23.0	21.2	19.4
62.5°	14.1	14.1	15.9	14.1	14.1
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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