

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: P769561

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769561
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: LD6D65D010-EU6DR3055659050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8130.4 lumens
Efficiency: N/A
Efficacy: 111.7 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

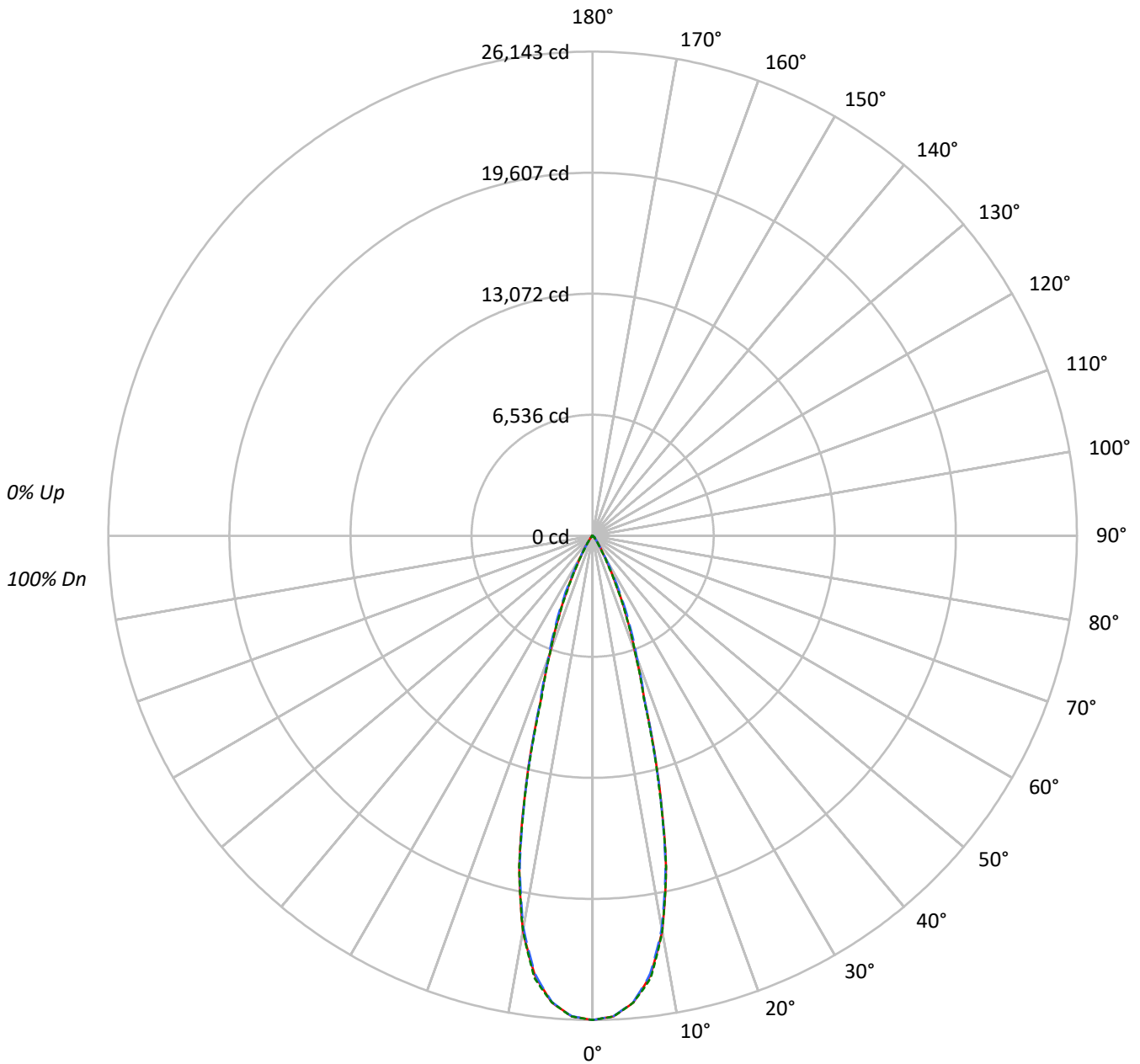
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2001082	2001082	2001082
5°	1943630	1941364	1943730
10°	1683483	1671607	1683079
15°	1098387	1092491	1087000
20°	546177	566672	545444
25°	275125	310250	269492
30°	110154	120026	95977
35°	51094	48936	41021
40°	22062	24500	20773
45°	15566	19312	15696
50°	5347	14063	5656
55°	3083	5818	3256
60°	2159	2557	2159
65°	1395	1395	1395
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2298.9	28.3
10°-20°	3702.4	45.5
20°-30°	1599.9	19.7
30°-40°	364.7	4.5
40°-50°	125.2	1.5
50°-60°	30.6	0.4
60°-70°	7.9	0.1
70°-80°	0.8	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°	7601.2	93.5
0°-40°	7965.8	98.0
0°-60°	8121.6	99.9
0°-90°	8130.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8130.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26143	26143	26143	26143	26143	
5°	25296	25272	25266	25319	25297	2301
15°	13861	13694	13786	13742	13717	3711
25°	3258	3381	3674	3295	3191	1559
35°	547	558	524	520	439	371
45°	144	178	178	178	145	102
55°	23	24	44	26	24	22
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26143.1	26143.1	26143.1	26143.1	26143.1
2.5°	25969.8	25951.8	25962.1	25974.9	25980.1
5°	25295.9	25271.5	25266.4	25319.0	25297.2
7.5°	23936.7	23902.0	23849.4	23968.8	24080.4
10°	21659.7	21621.2	21506.9	21563.4	21654.5
12.5°	18298.1	18173.6	18171.0	18350.7	18326.3
15°	13860.9	13694.0	13786.5	13741.5	13717.2
17.5°	9321.0	9256.9	9380.1	9342.9	9182.4
20°	6705.2	6721.9	6956.8	6838.7	6696.2
22.5°	4892.8	4953.2	5231.7	4927.5	4815.8
25°	3257.6	3380.8	3673.5	3294.8	3190.9
27.5°	2003.6	2060.1	2356.6	1977.9	1921.5
30°	1246.3	1218.1	1358.0	1165.5	1085.9
32.5°	817.6	781.7	826.6	741.9	677.7
35°	546.8	558.3	523.7	519.8	439.0
37.5°	341.4	392.8	346.6	369.7	282.4
40°	220.8	284.9	245.2	270.8	207.9
42.5°	181.0	219.5	201.5	214.4	184.8
45°	143.8	178.4	178.4	178.4	145.0
47.5°	79.6	119.4	152.7	121.9	84.7
50°	44.9	60.3	118.1	62.9	47.5
52.5°	30.8	34.7	80.9	35.9	32.1
55°	23.1	24.4	43.6	25.7	24.4
57.5°	18.0	19.3	23.1	19.3	18.0
60°	14.1	14.1	16.7	15.4	14.1
62.5°	10.3	10.3	11.6	10.3	10.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.9	5.1	5.1	5.1	5.1
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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