

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P572011

Luminaire Tested: 22ID-60-L835-DBR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-60-L835-DBR
Description: 6000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED DOUBLE BARRELL LENS AND 3500K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

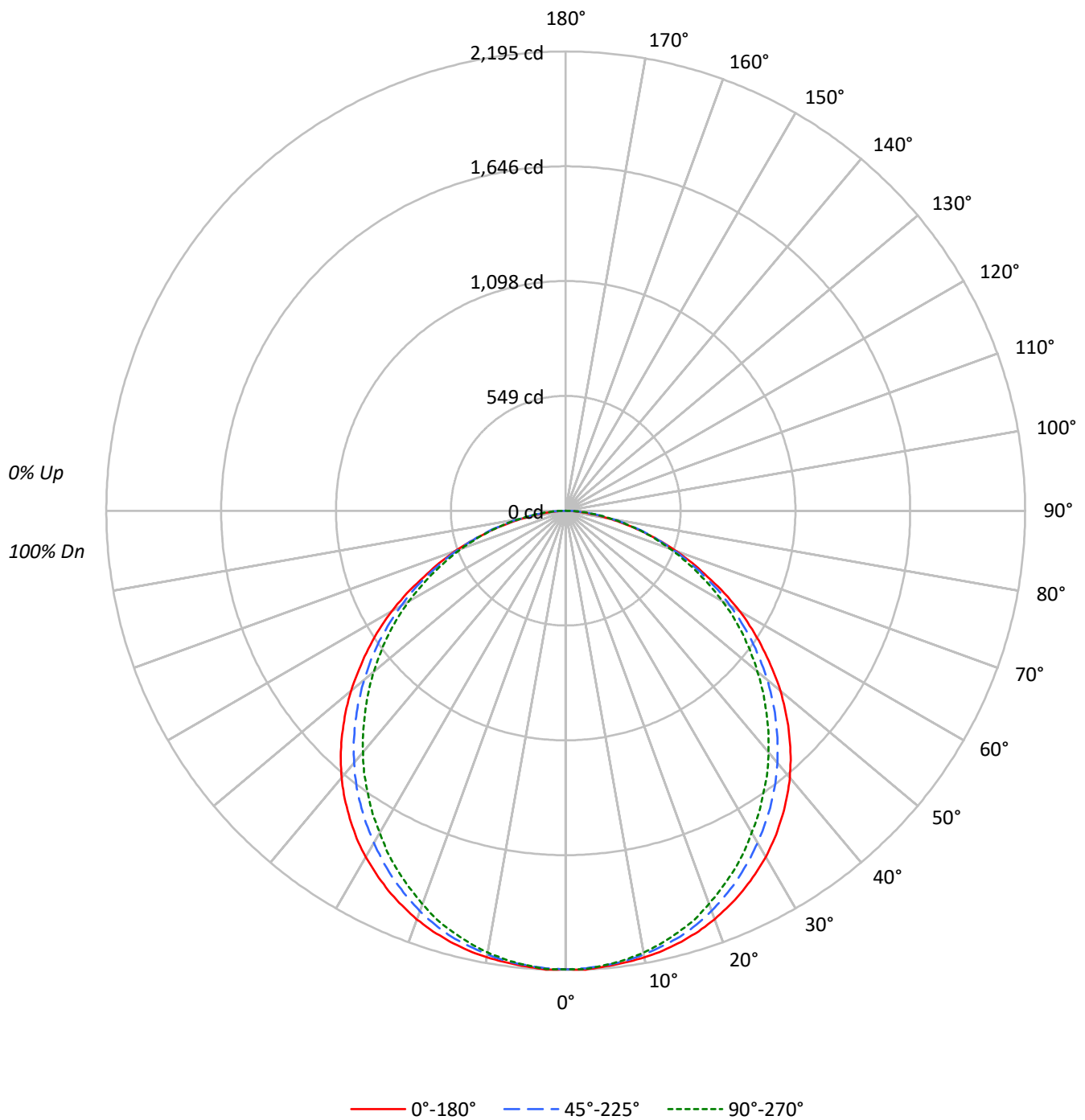
Input Watts (W): 50.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29
10	53	40	32	27	52	39	32	27	38	31	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5899	5899	5899
5°	5905	5890	5890
10°	5925	5884	5860
15°	5941	5874	5808
20°	5952	5832	5730
25°	5950	5772	5639
30°	5938	5697	5520
35°	5905	5620	5413
40°	5852	5526	5295
45°	5748	5406	5156
50°	5609	5259	5008
55°	5402	5093	4855
60°	5167	4877	4652
65°	4761	4609	4399
70°	4377	4306	4165
75°	3856	3980	3856
80°	3152	3476	3476
85°	1939	2770	2770

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5748 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.4	3.4
10°-20°	594.6	9.8
20°-30°	897.3	14.8
30°-40°	1073.6	17.7
40°-50°	1099.4	18.1
50°-60°	972.0	16.0
60°-70°	718.0	11.8
70°-80°	401.3	6.6
80°-90°	102.5	1.7
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°	1699.2	28.0
0°-40°	2772.8	45.7
0°-60°	4844.2	79.9
0°-90°	6066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2192	2192	2192	2192	2192	
5°	2186	2183	2180	2177	2180	208
15°	2132	2123	2108	2090	2085	602
25°	2004	1986	1944	1911	1899	923
35°	1797	1770	1711	1663	1648	1124
45°	1510	1480	1421	1370	1355	1164
55°	1151	1130	1086	1047	1035	1029
65°	748	748	724	700	691	746
75°	371	386	383	377	371	395
85°	63	81	90	93	90	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2192.2	2192.2	2192.2	2192.2	2192.2
2.5°	2195.2	2189.2	2189.2	2189.2	2192.2
5°	2186.2	2183.2	2180.3	2177.3	2180.3
7.5°	2177.3	2174.3	2171.3	2162.3	2165.3
10°	2168.3	2162.3	2153.3	2144.4	2144.4
12.5°	2153.3	2144.4	2132.4	2120.4	2117.5
15°	2132.4	2123.4	2108.5	2090.5	2084.6
17.5°	2108.5	2096.5	2075.6	2054.6	2048.7
20°	2078.6	2066.6	2036.7	2009.8	2000.8
22.5°	2042.7	2027.7	1991.8	1961.9	1950.0
25°	2003.8	1985.9	1944.0	1911.1	1899.1
27.5°	1958.9	1938.0	1890.2	1854.3	1842.3
30°	1911.1	1887.2	1833.3	1794.5	1776.5
32.5°	1857.3	1830.3	1773.5	1728.7	1716.7
35°	1797.4	1770.5	1710.7	1662.9	1647.9
37.5°	1734.6	1704.7	1644.9	1594.1	1582.1
40°	1665.8	1635.9	1573.1	1519.3	1507.3
42.5°	1591.1	1558.2	1498.4	1447.5	1432.6
45°	1510.3	1480.4	1420.6	1369.8	1354.8
47.5°	1426.6	1399.7	1339.9	1292.0	1277.1
50°	1339.9	1312.9	1256.1	1208.3	1196.3
52.5°	1244.2	1223.2	1172.4	1124.5	1115.5
55°	1151.4	1130.5	1085.6	1046.8	1034.8
57.5°	1055.7	1034.8	995.9	957.0	951.1
60°	960.0	942.1	906.2	876.3	864.3
62.5°	855.4	849.4	819.5	786.6	777.6
65°	747.7	747.7	723.8	699.8	690.9
67.5°	655.0	652.0	634.0	619.1	610.1
70°	556.3	562.3	547.3	532.4	529.4
72.5°	463.6	469.5	463.6	454.6	448.6
75°	370.9	385.8	382.8	376.8	370.9
77.5°	284.1	302.1	302.1	299.1	296.1
80°	203.4	221.3	224.3	224.3	224.3
82.5°	128.6	146.5	155.5	155.5	155.5
85°	62.8	80.8	89.7	92.7	89.7
87.5°	20.9	29.9	32.9	35.9	35.9
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.03	19.66	18.40	19.97	20.29	17.46	19.09	17.82	19.40	19.71
	3H	19.70	21.18	20.08	21.50	21.86	19.20	20.67	19.58	21.00	21.36
	4H	20.29	21.68	20.69	22.02	22.40	19.86	21.24	20.26	21.59	21.97
	6H	20.68	21.96	21.09	22.33	22.72	20.34	21.63	20.75	21.99	22.38
	8H	20.78	22.00	21.20	22.39	22.79	20.50	21.72	20.92	22.11	22.51
	12H	20.82	21.99	21.25	22.37	22.80	20.59	21.76	21.02	22.15	22.57
4H	2H	18.58	19.97	18.98	20.32	20.69	18.13	19.51	18.52	19.86	20.23
	3H	20.49	21.65	20.89	22.04	22.44	20.08	21.24	20.49	21.64	22.04
	4H	21.21	22.26	21.64	22.67	23.11	20.86	21.91	21.30	22.33	22.76
	6H	21.73	22.64	22.18	23.08	23.54	21.47	22.39	21.93	22.83	23.28
	8H	21.86	22.72	22.32	23.16	23.63	21.67	22.53	22.13	22.97	23.43
	12H	21.94	22.70	22.42	23.18	23.65	21.80	22.57	22.28	23.05	23.52
8H	4H	21.49	22.35	21.95	22.79	23.26	21.18	22.04	21.65	22.48	22.95
	6H	22.12	22.83	22.61	23.32	23.80	21.91	22.62	22.40	23.11	23.58
	8H	22.32	22.96	22.83	23.47	23.95	22.18	22.81	22.68	23.32	23.81
	12H	22.45	23.01	22.95	23.50	24.06	22.38	22.94	22.88	23.43	23.99
12H	4H	21.52	22.29	22.00	22.76	23.23	21.22	21.99	21.70	22.46	22.93
	6H	22.17	22.81	22.68	23.31	23.80	21.96	22.60	22.47	23.11	23.59
	8H	22.42	22.99	22.93	23.48	24.04	22.28	22.85	22.79	23.34	23.90

END OF REPORT