

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: P571915

Luminaire Tested: 22ID-30-L835-DBR

Issue Date: 10/5/2021

**Test Information**

Test Method: LM-79-2019  
Report Number: P571915  
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-30-L835-DBR  
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED DOUBLE BARRELL LENS AND 3500K, 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

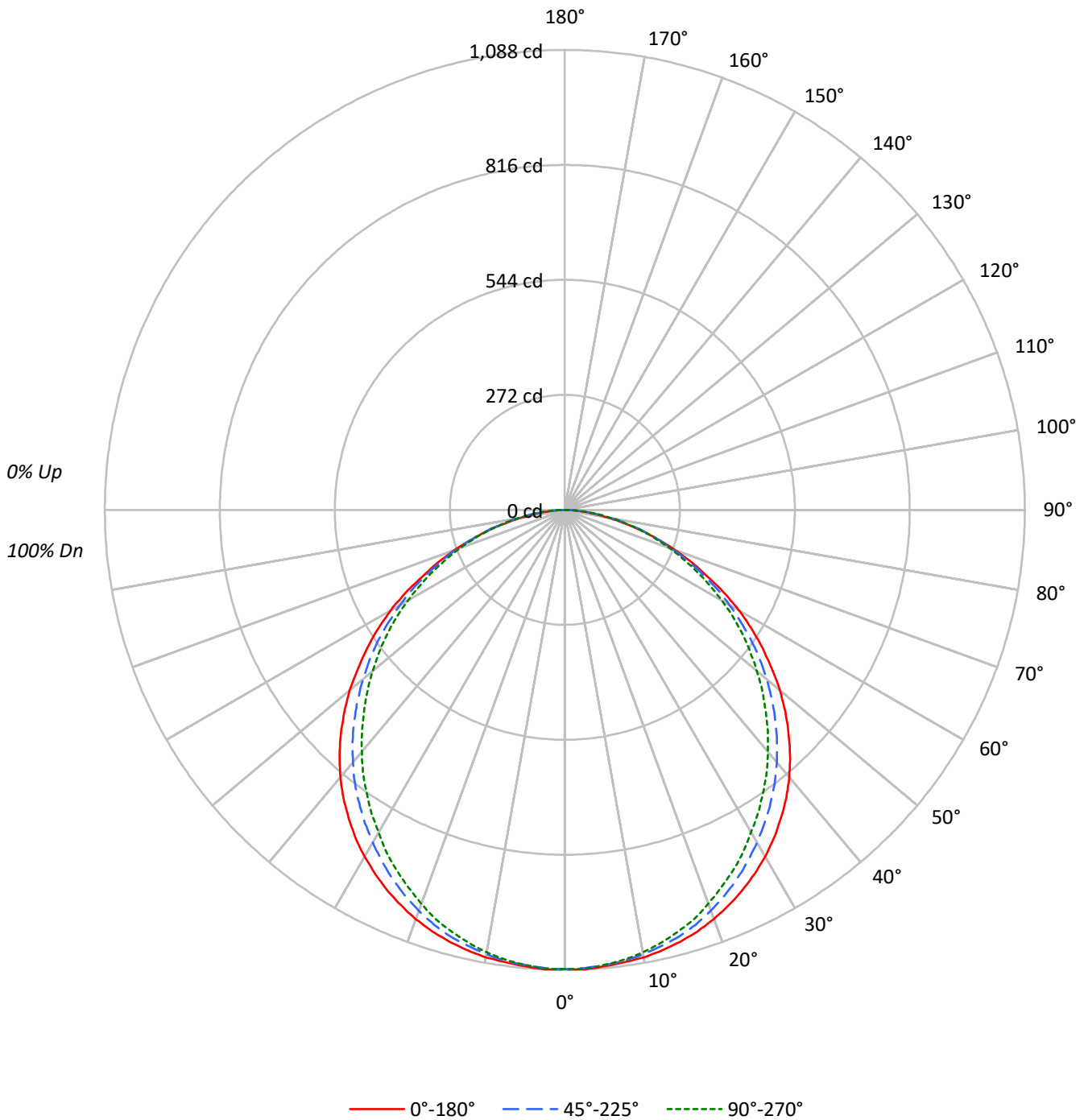
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3007.0 lumens  
Efficiency: N/A  
Efficacy: 124.3 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): 24.2  
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									
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			100																
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84			84																
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70			70																
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59			59																
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51			51																
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46	44			44																
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38			38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	34			34																
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30			30																
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27			27																
10	53	40	32	27	52	39	32	27	38	31	27	38	31	27	37	31	26	25			25																

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2924	2924	2924
5°	2927	2920	2920
10°	2937	2917	2905
15°	2945	2912	2879
20°	2951	2891	2840
25°	2949	2861	2795
30°	2944	2824	2736
35°	2927	2786	2684
40°	2901	2739	2625
45°	2849	2680	2556
50°	2781	2607	2483
55°	2678	2525	2407
60°	2561	2418	2306
65°	2360	2285	2181
70°	2170	2135	2065
75°	1911	1973	1911
80°	1562	1723	1723
85°	960	1374	1374

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2849 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	3.4
10°-20°	294.7	9.8
20°-30°	444.8	14.8
30°-40°	532.2	17.7
40°-50°	545.0	18.1
50°-60°	481.8	16.0
60°-70°	355.9	11.8
70°-80°	198.9	6.6
80°-90°	50.8	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°	842.3	28.0
0°-40°	1374.5	45.7
0°-60°	2401.4	79.9
0°-90°	3007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3007.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1084	1082	1081	1079	1081	103
15°	1057	1053	1045	1036	1033	299
25°	993	984	964	947	941	458
35°	891	878	848	824	817	557
45°	749	734	704	679	672	577
55°	571	560	538	519	513	510
65°	371	371	359	347	342	370
75°	184	191	190	187	184	196
85°	31	40	44	46	44	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1086.7	1086.7	1086.7	1086.7	1086.7
2.5°	1088.2	1085.2	1085.2	1085.2	1086.7
5°	1083.7	1082.3	1080.8	1079.3	1080.8
7.5°	1079.3	1077.8	1076.3	1071.9	1073.4
10°	1074.9	1071.9	1067.4	1063.0	1063.0
12.5°	1067.4	1063.0	1057.1	1051.1	1049.6
15°	1057.1	1052.6	1045.2	1036.3	1033.3
17.5°	1045.2	1039.3	1028.9	1018.5	1015.6
20°	1030.4	1024.4	1009.6	996.3	991.8
22.5°	1012.6	1005.2	987.4	972.6	966.6
25°	993.3	984.4	963.7	947.4	941.4
27.5°	971.1	960.7	937.0	919.2	913.3
30°	947.4	935.5	908.8	889.5	880.6
32.5°	920.7	907.3	879.2	856.9	851.0
35°	891.0	877.7	848.0	824.3	816.9
37.5°	859.9	845.1	815.4	790.2	784.3
40°	825.8	811.0	779.8	753.1	747.2
42.5°	788.7	772.4	742.8	717.6	710.1
45°	748.7	733.9	704.2	679.0	671.6
47.5°	707.2	693.8	664.2	640.5	633.1
50°	664.2	650.8	622.7	599.0	593.0
52.5°	616.7	606.4	581.2	557.4	553.0
55°	570.8	560.4	538.2	518.9	513.0
57.5°	523.3	513.0	493.7	474.4	471.5
60°	475.9	467.0	449.2	434.4	428.5
62.5°	424.0	421.0	406.2	389.9	385.5
65°	370.6	370.6	358.8	346.9	342.5
67.5°	324.7	323.2	314.3	306.9	302.4
70°	275.8	278.7	271.3	263.9	262.4
72.5°	229.8	232.8	229.8	225.3	222.4
75°	183.8	191.2	189.8	186.8	183.8
77.5°	140.8	149.7	149.7	148.3	146.8
80°	100.8	109.7	111.2	111.2	111.2
82.5°	63.7	72.6	77.1	77.1	77.1
85°	31.1	40.0	44.5	46.0	44.5
87.5°	10.4	14.8	16.3	17.8	17.8
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	15.59	17.22	15.96	17.54	17.85	15.02	16.65	15.39	16.96	17.28
	3H	17.27	18.74	17.64	19.06	19.42	16.76	18.23	17.14	18.56	18.92
	4H	17.85	19.24	18.25	19.59	19.96	17.42	18.80	17.82	19.15	19.53
	6H	18.24	19.52	18.65	19.89	20.28	17.90	19.19	18.31	19.55	19.94
	8H	18.34	19.56	18.76	19.95	20.35	18.06	19.28	18.48	19.67	20.07
	12H	18.38	19.55	18.81	19.94	20.36	18.15	19.33	18.58	19.71	20.14
4H	2H	16.14	17.53	16.54	17.88	18.25	15.69	17.07	16.09	17.42	17.80
	3H	18.05	19.21	18.46	19.60	20.00	17.64	18.80	18.05	19.20	19.60
	4H	18.77	19.82	19.20	20.23	20.67	18.43	19.47	18.86	19.89	20.32
	6H	19.29	20.20	19.74	20.64	21.10	19.03	19.95	19.49	20.39	20.85
	8H	19.42	20.28	19.88	20.72	21.19	19.23	20.09	19.69	20.53	20.99
	12H	19.50	20.27	19.98	20.74	21.21	19.37	20.14	19.85	20.61	21.08
8H	4H	19.05	19.91	19.51	20.35	20.82	18.75	19.60	19.21	20.05	20.51
	6H	19.68	20.39	20.18	20.88	21.36	19.47	20.18	19.96	20.67	21.15
	8H	19.88	20.52	20.39	21.03	21.51	19.74	20.38	20.25	20.88	21.37
	12H	20.01	20.57	20.52	21.06	21.62	19.94	20.51	20.45	21.00	21.56
12H	4H	19.08	19.85	19.56	20.33	20.79	18.78	19.55	19.26	20.02	20.49
	6H	19.73	20.37	20.24	20.88	21.36	19.52	20.16	20.03	20.67	21.15
	8H	19.98	20.55	20.49	21.04	21.60	19.85	20.41	20.35	20.90	21.46