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: P1471848

Luminaire Tested: 24PTR-65S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471848
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-65S-PLG-L835-UNV-STD-W
Description:	6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5067.7 lumens
Efficiency:	N/A
Efficacy:	94.9 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.26
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	53.4
Input Voltage (V):	120
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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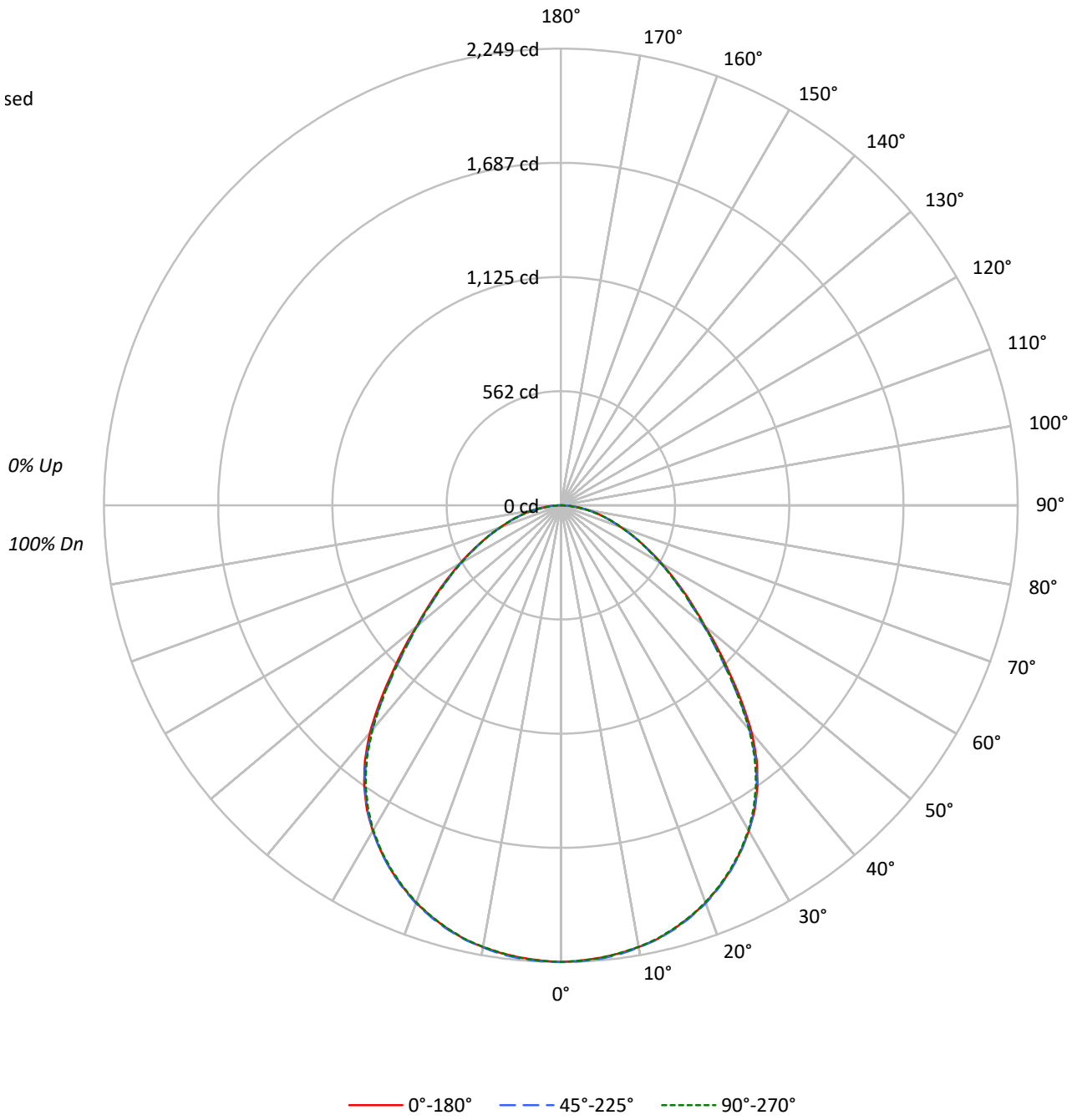
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3026	3026	3026
5°	3020	3027	3022
10°	3018	3020	3016
15°	3006	3010	3004
20°	2983	2987	2978
25°	2941	2943	2934
30°	2877	2877	2869
35°	2771	2763	2750
40°	2568	2540	2532
45°	2245	2208	2217
50°	1938	1914	1924
55°	1722	1696	1700
60°	1542	1520	1520
65°	1382	1372	1377
70°	1243	1231	1243
75°	1154	1137	1154
80°	1076	1064	1027
85°	912	912	814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	4.2
10°-20°	609.3	12.0
20°-30°	911.6	18.0
30°-40°	1044.5	20.6
40°-50°	903.3	17.8
50°-60°	653.8	12.9
60°-70°	430.6	8.5
70°-80°	234.4	4.6
80°-90°	67.2	1.3
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°	1733.8	34.2
0°-40°	2778.3	54.8
0°-60°	4335.4	85.6
0°-90°	5067.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5067.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2236	2241	2241	2241	2238	213
15°	2158	2160	2161	2164	2156	609
25°	1981	1981	1982	1984	1976	911
35°	1687	1686	1682	1681	1674	1048
45°	1180	1176	1160	1159	1165	913
55°	734	731	723	718	725	661
65°	434	437	431	428	433	433
75°	222	222	219	219	222	236
85°	59	59	59	61	53	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2249.0*	*2249.0*	*2249.0*	*2249.0*	*2249.0*
2.5°	*2244.2*	2249.0	2247.4	2249.0	2244.2
5°	*2236.2*	2241.0	2241.0	2241.0	2237.8
7.5°	*2225.0*	2228.2	2229.8	2231.4	2223.4
10°	*2209.1*	2212.3	2210.7	2213.9	2207.5
12.5°	*2188.3*	2188.3	2189.9	2193.1	2186.7
15°	*2158.0*	2159.6	2161.2	2164.4	2156.4
17.5°	*2122.9*	2124.5	2126.1	2127.7	2121.3
20°	*2083.0*	2083.0	2086.2	2087.8	2079.8
22.5°	*2033.5*	2033.5	2036.7	2041.5	2031.9
25°	*1980.8*	1980.8	1982.4	1984.0	1976.0
27.5°	*1918.6*	1918.6	1920.2	1925.0	1915.4
30°	*1851.5*	1849.9	1851.5	1853.1	1846.8
32.5°	*1776.5*	1774.9	1773.3	1774.9	1766.9
35°	*1687.1*	1685.5	1682.4	1680.8	1674.4
37.5°	*1583.4*	1580.2	1573.8	1573.8	1567.4
40°	*1462.1*	1454.1	1446.1	1442.9	1441.3
42.5°	*1321.6*	1315.2	1304.1	1302.5	1302.5
45°	*1179.6*	1176.4	1160.4	1158.8	1165.2
47.5°	*1051.9*	1043.9	1029.5	1026.3	1035.9
50°	*925.8*	927.4	914.6	909.8	919.4
52.5°	*826.8*	823.6	812.4	809.3	817.2
55°	*734.2*	731.0	723.1	718.3	724.7
57.5°	*649.6*	648.0	640.1	638.5	641.7
60°	*573.0*	571.4	565.0	563.4	565.0
62.5°	*501.2*	501.2	494.8	491.6	496.4
65°	*434.2*	437.3	431.0	427.8	432.6
67.5°	*373.5*	376.7	370.3	367.1	373.5
70°	*316.0*	319.2	312.8	309.7	316.0
72.5°	*266.6*	268.2	263.4	261.8	269.8
75°	*221.9*	221.9	218.7	218.7	221.9
77.5°	*180.4*	178.8	177.2	177.2	174.0
80°	*138.9*	137.3	137.3	137.3	132.5
82.5°	*99.0*	95.8	97.4	99.0	91.0
85°	*59.1*	59.1	59.1	60.7	52.7
87.5°	*23.9*	23.9	22.3	23.9	20.8
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	13.1	14.6	13.5	14.9	15.3	13.0	14.5	13.4	14.8	15.2
	3H	14.5	15.9	14.9	16.2	16.6	14.5	15.8	14.8	16.1	16.5
	4H	15.1	16.4	15.5	16.7	17.1	15.0	16.3	15.4	16.6	17.0
	6H	15.5	16.7	15.9	17.1	17.5	15.4	16.6	15.8	17.0	17.4
	8H	15.7	16.8	16.1	17.2	17.6	15.6	16.7	16.0	17.1	17.5
	12H	15.8	16.8	16.2	17.2	17.6	15.6	16.7	16.1	17.1	17.5
4H	2H	13.6	14.9	14.0	15.2	15.6	13.5	14.8	13.9	15.1	15.5
	3H	15.3	16.3	15.7	16.7	17.1	15.2	16.2	15.6	16.6	17.0
	4H	15.9	16.9	16.4	17.3	17.7	15.8	16.8	16.3	17.2	17.7
	6H	16.5	17.3	17.0	17.8	18.2	16.4	17.2	16.9	17.7	18.1
	8H	16.7	17.5	17.2	17.9	18.4	16.6	17.4	17.0	17.8	18.3
	12H	16.8	17.5	17.3	18.0	18.5	16.7	17.4	17.2	17.9	18.3
8H	4H	16.2	16.9	16.6	17.4	17.9	16.1	16.9	16.6	17.3	17.8
	6H	16.9	17.5	17.4	18.0	18.5	16.8	17.4	17.3	17.9	18.4
	8H	17.1	17.7	17.6	18.2	18.7	17.0	17.6	17.6	18.1	18.6
	12H	17.3	17.8	17.8	18.3	18.9	17.2	17.7	17.7	18.2	18.8
12H	4H	16.2	16.9	16.7	17.4	17.8	16.1	16.8	16.6	17.3	17.8
	6H	16.9	17.5	17.4	18.0	18.5	16.8	17.4	17.4	17.9	18.4
	8H	17.2	17.7	17.7	18.2	18.8	17.1	17.7	17.7	18.1	18.7

(END OF REPORT)