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: P1471853

Luminaire Tested: 24PTR-65S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471853
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-65S-PW1-L835-UNV-STD-B
Description:	6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5238.0 lumens
Efficiency:	N/A
Efficacy:	98.1 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.24 / 1.34
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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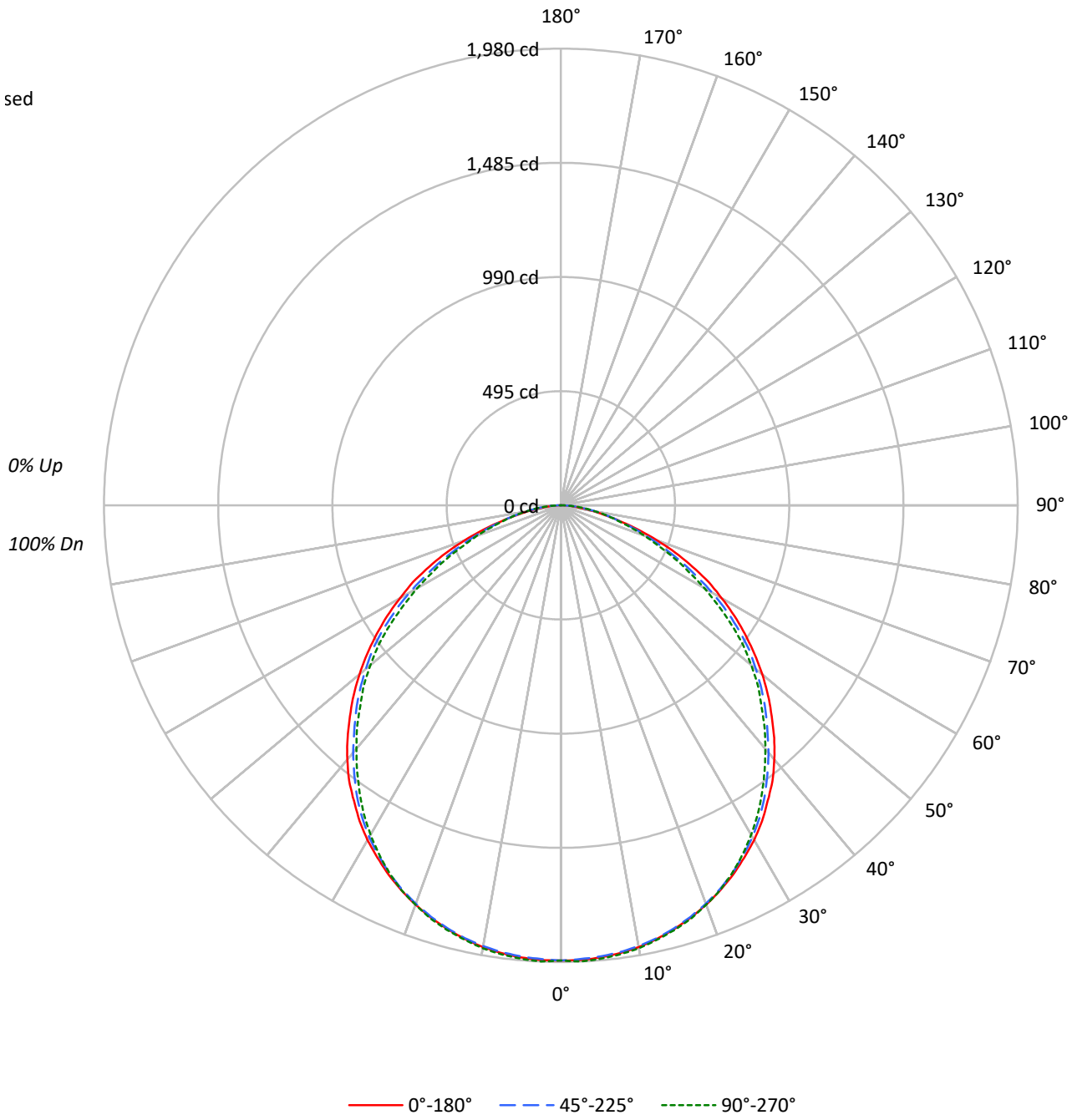
Luminous Intensity Polar Plot



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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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2656	2656	2656
5°	2658	2652	2666
10°	2657	2651	2664
15°	2649	2645	2655
20°	2638	2632	2638
25°	2623	2612	2610
30°	2603	2581	2562
35°	2568	2530	2497
40°	2529	2460	2421
45°	2459	2386	2338
50°	2385	2307	2254
55°	2285	2208	2120
60°	2167	2039	1932
65°	2004	1821	1730
70°	1738	1585	1525
75°	1387	1357	1319
80°	1055	1178	1178
85°	780	1005	1005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	3.6
10°-20°	536.9	10.2
20°-30°	811.4	15.5
30°-40°	963.5	18.4
40°-50°	970.7	18.5
50°-60°	839.0	16.0
60°-70°	573.4	10.9
70°-80°	282.8	5.4
80°-90°	73.1	1.4
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°	1535.5	29.3
0°-40°	2498.9	47.7
0°-60°	4308.6	82.3
0°-90°	5238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5238.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1974	1974	1974	1974	1974	
5°	1968	1969	1964	1972	1974	187
15°	1902	1904	1898	1905	1906	537
25°	1767	1765	1760	1761	1758	814
35°	1564	1558	1540	1526	1520	979
45°	1292	1278	1254	1240	1229	997
55°	974	971	941	913	904	871
65°	630	607	572	547	544	622
75°	267	265	261	261	254	291
85°	50	59	65	66	65	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1973.7	1973.7	1973.7	1973.7	*1973.7*
2.5°	*1973.2*	*1973.7*	*1968.7*	*1977.5*	*1979.6*
5°	1967.9	1968.7	1963.6	1971.6	*1973.7*
7.5°	1958.6	1959.9	1954.1	1962.1	*1963.6*
10°	1944.5	1945.3	1940.3	1948.2	*1949.8*
12.5°	1925.6	1926.2	1921.9	1929.1	*1929.1*
15°	1901.5	1903.6	1898.5	1905.2	*1905.7*
17.5°	1874.4	1875.2	1870.1	1877.3	*1878.9*
20°	1842.2	1842.2	1837.9	1843.8	*1842.2*
22.5°	1806.3	1806.3	1801.3	1804.2	*1805.5*
25°	1767.0	1765.4	1759.5	1761.1	*1758.2*
27.5°	1721.5	1721.5	1711.2	1711.2	*1706.1*
30°	1675.6	1671.9	1661.0	1654.3	*1649.3*
32.5°	1622.7	1617.6	1603.8	1592.1	*1588.4*
35°	1563.7	1558.4	1540.0	1526.2	*1520.4*
37.5°	1506.6	1494.9	1470.7	1456.9	*1450.2*
40°	1439.8	1425.2	1400.5	1381.4	*1378.5*
42.5°	1368.4	1356.7	1324.5	1310.4	*1307.0*
45°	1292.4	1278.3	1254.1	1239.5	*1228.6*
47.5°	1217.7	1207.3	1179.7	1162.1	*1158.4*
50°	1139.3	1130.5	1102.1	1083.2	*1076.6*
52.5°	1058.2	1052.4	1028.2	1004.0	*996.0*
55°	974.2	971.3	941.3	913.4	*903.8*
57.5°	891.6	887.9	850.4	818.3	*809.5*
60°	805.2	794.3	757.7	727.6	*718.1*
62.5°	723.4	700.0	660.4	637.0	*626.1*
65°	629.6	607.0	571.9	546.9	*543.5*
67.5°	537.6	510.5	483.4	468.0	*456.3*
70°	441.7	423.3	402.9	389.9	*387.7*
72.5°	352.4	339.4	329.0	321.0	*314.4*
75°	266.8	264.7	261.0	261.0	*253.8*
77.5°	196.1	201.2	204.1	203.3	*204.9*
80°	136.1	146.2	152.0	152.8	*152.0*
82.5°	86.4	98.1	107.6	109.0	*110.6*
85°	50.5	59.3	65.1	66.4	*65.1*
87.5°	22.6	28.4	30.0	31.4	*30.0*
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	15.1	16.7	15.4	17.0	17.3	14.5	16.1	14.9	16.4	16.7
	3H	16.5	18.0	16.9	18.3	18.7	15.9	17.3	16.2	17.6	18.0
	4H	17.0	18.3	17.4	18.7	19.1	16.3	17.7	16.7	18.1	18.4
	6H	17.2	18.5	17.7	18.9	19.2	16.7	18.0	17.1	18.3	18.7
	8H	17.3	18.5	17.7	18.9	19.3	16.8	18.0	17.2	18.4	18.8
	12H	17.3	18.5	17.8	18.9	19.3	16.9	18.0	17.3	18.4	18.9
4H	2H	15.5	16.9	15.9	17.2	17.6	15.1	16.4	15.5	16.8	17.1
	3H	17.2	18.3	17.6	18.7	19.1	16.6	17.8	17.0	18.2	18.6
	4H	17.7	18.8	18.2	19.2	19.6	17.2	18.2	17.7	18.7	19.1
	6H	18.1	19.0	18.6	19.4	19.9	17.7	18.6	18.2	19.0	19.5
	8H	18.2	19.0	18.7	19.5	19.9	17.9	18.7	18.3	19.1	19.6
	12H	18.2	19.0	18.7	19.5	19.9	18.0	18.7	18.5	19.2	19.7
8H	4H	17.9	18.8	18.4	19.2	19.7	17.5	18.3	17.9	18.7	19.2
	6H	18.4	19.1	18.9	19.6	20.0	18.0	18.7	18.5	19.2	19.7
	8H	18.5	19.1	19.0	19.6	20.1	18.3	18.9	18.8	19.4	19.9
	12H	18.6	19.2	19.1	19.7	20.2	18.4	19.0	19.0	19.5	20.0
12H	4H	17.9	18.7	18.4	19.2	19.6	17.5	18.2	18.0	18.7	19.2
	6H	18.4	19.0	18.9	19.5	20.0	18.1	18.7	18.6	19.2	19.7
	8H	18.6	19.1	19.1	19.6	20.2	18.3	18.9	18.9	19.4	19.9

(END OF REPORT)