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: P1471849

Luminaire Tested: 24PTR-65S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471849
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-65S-PP3-L835-UNV-STD-B
Description:	6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5207.1 lumens
Efficiency:	N/A
Efficacy:	97.5 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 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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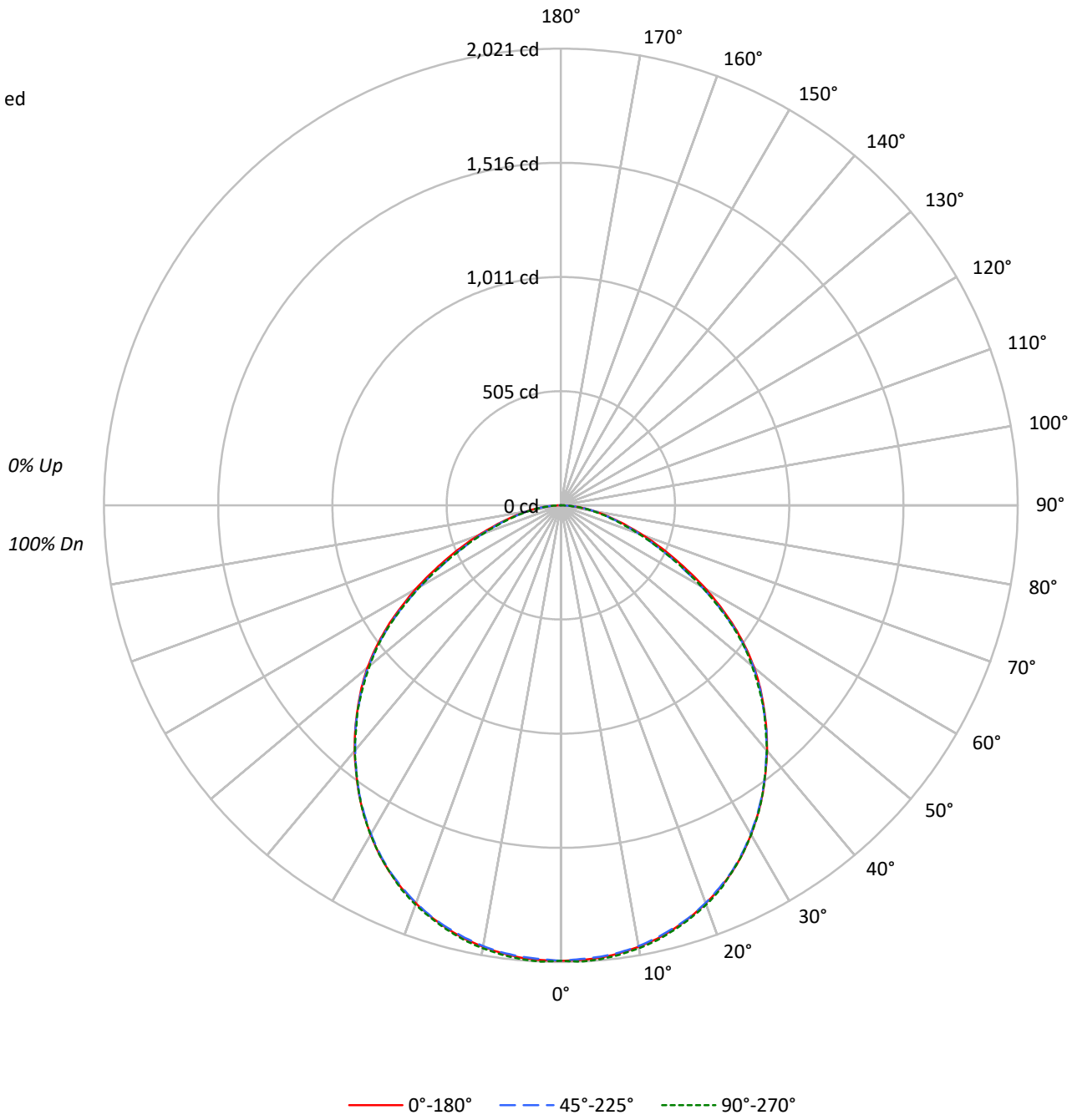
Luminous Intensity Polar Plot



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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	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2712	2712	2712
5°	2714	2708	2723
10°	2710	2706	2719
15°	2701	2696	2708
20°	2684	2681	2693
25°	2660	2655	2658
30°	2615	2609	2615
35°	2558	2554	2557
40°	2493	2485	2491
45°	2418	2410	2414
50°	2337	2326	2309
55°	2200	2174	2167
60°	1996	1929	1933
65°	1753	1665	1663
70°	1516	1447	1430
75°	1311	1263	1235
80°	1161	1145	1093
85°	960	993	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	3.7
10°-20°	547.5	10.5
20°-30°	824.3	15.8
30°-40°	972.9	18.7
40°-50°	978.5	18.8
50°-60°	826.1	15.9
60°-70°	530.5	10.2
70°-80°	263.9	5.1
80°-90°	72.3	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°	1563.0	30.0
0°-40°	2535.9	48.7
0°-60°	4340.5	83.4
0°-90°	5207.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5207.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2015	2015	2015	2015	2015	
5°	2010	2010	2005	2014	2016	191
15°	1939	1940	1936	1944	1944	547
25°	1792	1792	1789	1792	1791	824
35°	1557	1558	1555	1557	1557	973
45°	1270	1275	1267	1268	1268	981
55°	938	937	927	923	924	834
65°	551	543	523	518	522	549
75°	252	251	243	241	238	273
85°	62	64	64	61	61	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2015.3	2015.3	2015.3	2015.3	*2015.3*
2.5°	*2014.5*	*2015.3*	*2010.0*	*2019.6*	*2021.2*
5°	2009.5	2010.0	2005.0	2014.5	*2015.9*
7.5°	1999.1	1999.9	1995.4	2004.2	*2005.8*
10°	1983.7	1986.1	1980.8	1989.0	*1990.4*
12.5°	1964.8	1965.6	1960.3	1969.9	*1971.5*
15°	1939.3	1939.8	1935.6	1944.4	*1944.4*
17.5°	1909.8	1910.6	1907.7	1915.1	*1914.3*
20°	1874.2	1876.3	1872.6	1877.6	*1880.6*
22.5°	1835.4	1836.2	1831.7	1838.3	*1841.2*
25°	1791.5	1792.1	1788.6	1792.1	*1790.7*
27.5°	1740.2	1741.6	1736.5	1740.2	*1741.0*
30°	1683.1	1686.8	1679.6	1682.5	*1683.1*
32.5°	1621.7	1623.8	1618.8	1619.6	*1623.3*
35°	1557.4	1558.2	1555.2	1556.6	*1556.6*
37.5°	1488.0	1490.9	1486.4	1488.5	*1485.6*
40°	1419.1	1416.2	1414.6	1416.2	*1418.3*
42.5°	1346.6	1347.4	1345.2	1343.6	*1340.2*
45°	1270.5	1275.1	1266.8	1268.4	*1268.4*
47.5°	1196.1	1196.7	1192.4	1187.9	*1185.0*
50°	1116.4	1116.4	1111.1	1107.6	*1103.1*
52.5°	1029.2	1027.9	1022.0	1018.3	*1020.4*
55°	937.8	937.0	926.9	923.1	*923.9*
57.5°	837.6	839.1	823.7	820.0	*820.0*
60°	741.9	734.4	716.9	711.8	*718.2*
62.5°	641.4	632.6	613.7	613.7	*618.8*
65°	550.7	542.8	523.1	517.8	*522.3*
67.5°	466.0	458.5	440.4	437.5	*438.8*
70°	385.4	379.0	367.9	361.2	*363.6*
72.5°	316.0	310.2	302.8	297.7	*294.8*
75°	252.2	250.9	242.9	240.6	*237.6*
77.5°	199.6	199.1	192.4	189.5	*186.6*
80°	149.9	149.1	147.8	143.3	*141.1*
82.5°	106.9	106.9	106.1	102.3	*100.2*
85°	62.2	64.3	64.3	60.6	*60.6*
87.5°	25.0	26.3	25.0	25.0	*24.2*
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	14.7	16.3	15.1	16.6	16.9	14.5	16.1	14.9	16.4	16.8
	3H	16.0	17.4	16.4	17.8	18.1	15.8	17.2	16.2	17.5	17.9
	4H	16.5	17.8	16.9	18.1	18.5	16.2	17.5	16.6	17.9	18.3
	6H	16.8	18.0	17.2	18.4	18.8	16.5	17.8	16.9	18.1	18.5
	8H	16.9	18.1	17.3	18.5	18.9	16.6	17.8	17.1	18.2	18.6
	12H	17.0	18.1	17.4	18.5	18.9	16.7	17.8	17.1	18.2	18.6
4H	2H	15.1	16.5	15.5	16.8	17.2	15.0	16.3	15.4	16.7	17.1
	3H	16.6	17.8	17.1	18.2	18.6	16.4	17.6	16.8	18.0	18.4
	4H	17.2	18.2	17.6	18.6	19.1	17.0	18.0	17.4	18.4	18.8
	6H	17.7	18.5	18.1	19.0	19.4	17.4	18.3	17.9	18.7	19.2
	8H	17.8	18.6	18.3	19.1	19.5	17.6	18.4	18.0	18.8	19.3
	12H	17.9	18.7	18.4	19.1	19.6	17.7	18.4	18.1	18.9	19.3
8H	4H	17.4	18.2	17.9	18.7	19.1	17.2	18.0	17.7	18.5	18.9
	6H	18.0	18.6	18.5	19.1	19.6	17.7	18.4	18.2	18.9	19.4
	8H	18.2	18.8	18.7	19.3	19.8	17.9	18.6	18.5	19.1	19.5
	12H	18.4	18.9	18.9	19.4	19.9	18.1	18.7	18.6	19.1	19.7
12H	4H	17.4	18.2	17.9	18.6	19.1	17.2	17.9	17.7	18.4	18.9
	6H	18.0	18.6	18.5	19.1	19.6	17.8	18.4	18.3	18.9	19.4
	8H	18.3	18.8	18.8	19.3	19.9	18.0	18.6	18.5	19.1	19.6

(END OF REPORT)