

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: P1471843

Luminaire Tested: 24PTR-65S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PC3-L835-UNV-STD-B
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

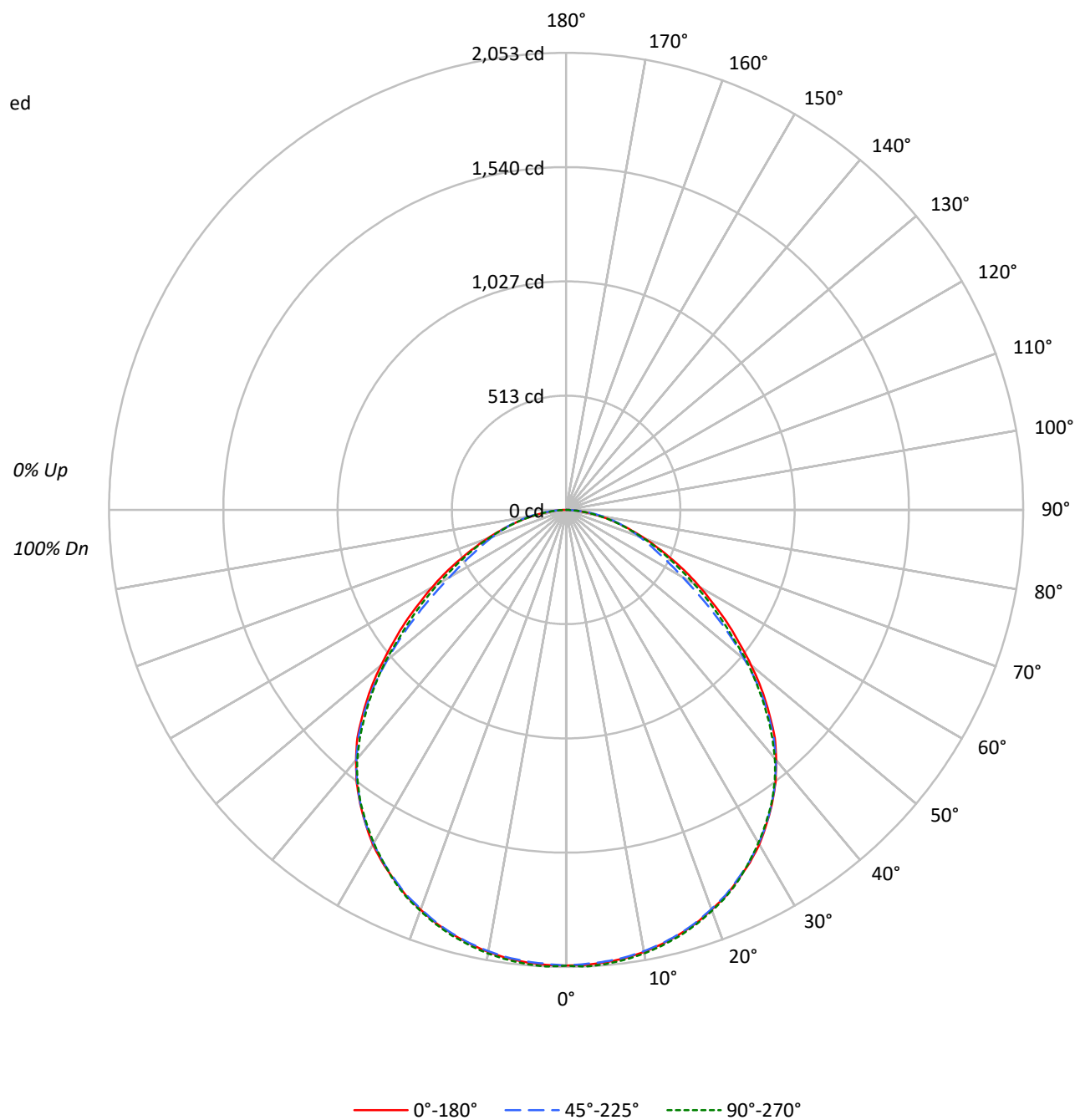
Lumens per Lamp: N/A
Luminaire Lumens: 5160.9 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2754	2754	2754
5°	2755	2750	2766
10°	2755	2750	2765
15°	2748	2746	2758
20°	2736	2732	2744
25°	2718	2713	2724
30°	2697	2688	2684
35°	2648	2646	2641
40°	2578	2575	2563
45°	2452	2434	2409
50°	2270	2193	2218
55°	2071	1903	1989
60°	1868	1623	1781
65°	1669	1452	1602
70°	1481	1374	1440
75°	1310	1332	1284
80°	1130	1272	1124
85°	846	1007	846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	3.8
10°-20°	557.3	10.8
20°-30°	843.8	16.3
30°-40°	1006.0	19.5
40°-50°	982.9	19.0
50°-60°	751.6	14.6
60°-70°	482.5	9.3
70°-80°	268.5	5.2
80°-90°	74.1	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°	1595.2	30.9
0°-40°	2601.2	50.4
0°-60°	4335.7	84.0
0°-90°	5160.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5160.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2047	2047	2047	2047	2047	
5°	2040	2041	2036	2046	2048	194
15°	1973	1975	1971	1978	1980	557
25°	1830	1833	1828	1833	1835	844
35°	1612	1614	1611	1610	1608	1007
45°	1289	1292	1279	1276	1266	992
55°	883	852	811	822	848	789
65°	524	484	456	471	503	523
75°	252	254	256	253	247	269
85°	55	64	65	63	55	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2047.1	2047.1	2047.1	2047.1	2047.1
2.5°	2045.7	2046.5	2041.2	2050.0	2052.9
5°	2039.9	2041.2	2036.2	2045.7	2047.9
7.5°	2031.1	2032.4	2027.4	2037.0	2037.8
10°	2016.5	2017.3	2012.7	2022.3	2023.7
12.5°	1996.8	1998.9	1993.9	2002.6	2003.2
15°	1973.1	1974.7	1971.0	1977.6	1979.8
17.5°	1945.4	1946.2	1942.5	1949.7	1950.5
20°	1910.9	1910.9	1907.9	1916.2	1916.2
22.5°	1875.7	1873.6	1872.8	1875.7	1880.3
25°	1830.5	1832.7	1827.6	1833.4	1834.8
27.5°	1786.6	1786.6	1782.1	1785.0	1781.3
30°	1736.1	1733.2	1730.2	1730.8	1727.3
32.5°	1675.2	1675.2	1673.8	1673.8	1669.3
35°	1612.4	1613.7	1610.8	1610.0	1607.9
37.5°	1544.8	1547.2	1541.9	1540.6	1539.0
40°	1467.9	1467.9	1465.8	1462.9	1459.2
42.5°	1388.1	1388.1	1378.8	1371.4	1366.3
45°	1288.6	1291.6	1279.1	1276.1	1266.0
47.5°	1189.7	1187.5	1170.8	1168.7	1162.8
50°	1084.3	1071.8	1047.9	1054.3	1059.6
52.5°	979.0	963.5	928.4	935.6	944.4
55°	882.9	852.3	811.4	821.5	847.8
57.5°	782.6	741.7	700.7	719.9	752.6
60°	694.1	648.0	603.3	623.8	661.9
62.5°	609.2	560.2	524.3	544.0	576.2
65°	524.3	483.9	456.2	471.4	503.1
67.5°	446.7	419.5	400.6	407.8	433.4
70°	376.4	359.4	349.3	351.4	366.1
72.5°	309.7	305.4	301.7	301.7	303.0
75°	251.9	254.1	256.2	252.7	246.9
77.5°	198.5	205.6	211.0	203.5	196.3
80°	145.8	157.5	164.1	155.9	145.0
82.5°	99.5	112.8	114.9	109.9	97.4
85°	54.8	64.4	65.2	63.0	54.8
87.5°	20.5	24.2	26.3	24.2	21.3
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	14.0	15.5	14.3	15.9	16.2	13.8	15.3	14.1	15.6	15.9
	3H	15.4	16.8	15.8	17.2	17.5	15.2	16.6	15.6	16.9	17.3
	4H	16.0	17.3	16.4	17.6	18.0	15.8	17.1	16.2	17.4	17.8
	6H	16.4	17.6	16.8	17.9	18.3	16.2	17.4	16.6	17.8	18.2
	8H	16.5	17.6	16.9	18.0	18.4	16.3	17.5	16.7	17.8	18.2
	12H	16.5	17.7	17.0	18.0	18.5	16.4	17.5	16.8	17.9	18.3
4H	2H	14.4	15.7	14.8	16.0	16.4	14.2	15.5	14.6	15.9	16.2
	3H	16.1	17.2	16.5	17.6	18.0	15.9	17.0	16.3	17.4	17.8
	4H	16.7	17.7	17.2	18.1	18.6	16.6	17.6	17.0	18.0	18.4
	6H	17.3	18.1	17.7	18.6	19.0	17.1	18.0	17.6	18.4	18.9
	8H	17.5	18.3	17.9	18.7	19.2	17.3	18.1	17.8	18.6	19.0
	12H	17.6	18.3	18.0	18.8	19.2	17.4	18.1	17.9	18.6	19.1
8H	4H	17.0	17.8	17.5	18.3	18.7	16.9	17.7	17.3	18.1	18.6
	6H	17.7	18.4	18.2	18.8	19.3	17.6	18.2	18.1	18.7	19.2
	8H	17.9	18.5	18.4	19.0	19.5	17.8	18.4	18.3	18.9	19.4
	12H	18.1	18.6	18.6	19.1	19.7	18.0	18.5	18.5	19.0	19.6
12H	4H	17.0	17.8	17.5	18.2	18.7	16.9	17.6	17.4	18.1	18.6
	6H	17.7	18.3	18.3	18.8	19.3	17.6	18.2	18.1	18.7	19.2
	8H	18.0	18.6	18.5	19.1	19.6	17.9	18.4	18.4	18.9	19.5

(END OF REPORT)