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: P1471854

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471854
	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-W
Description:	6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6068.3 lumens
Efficiency:	N/A
Efficacy:	113.6 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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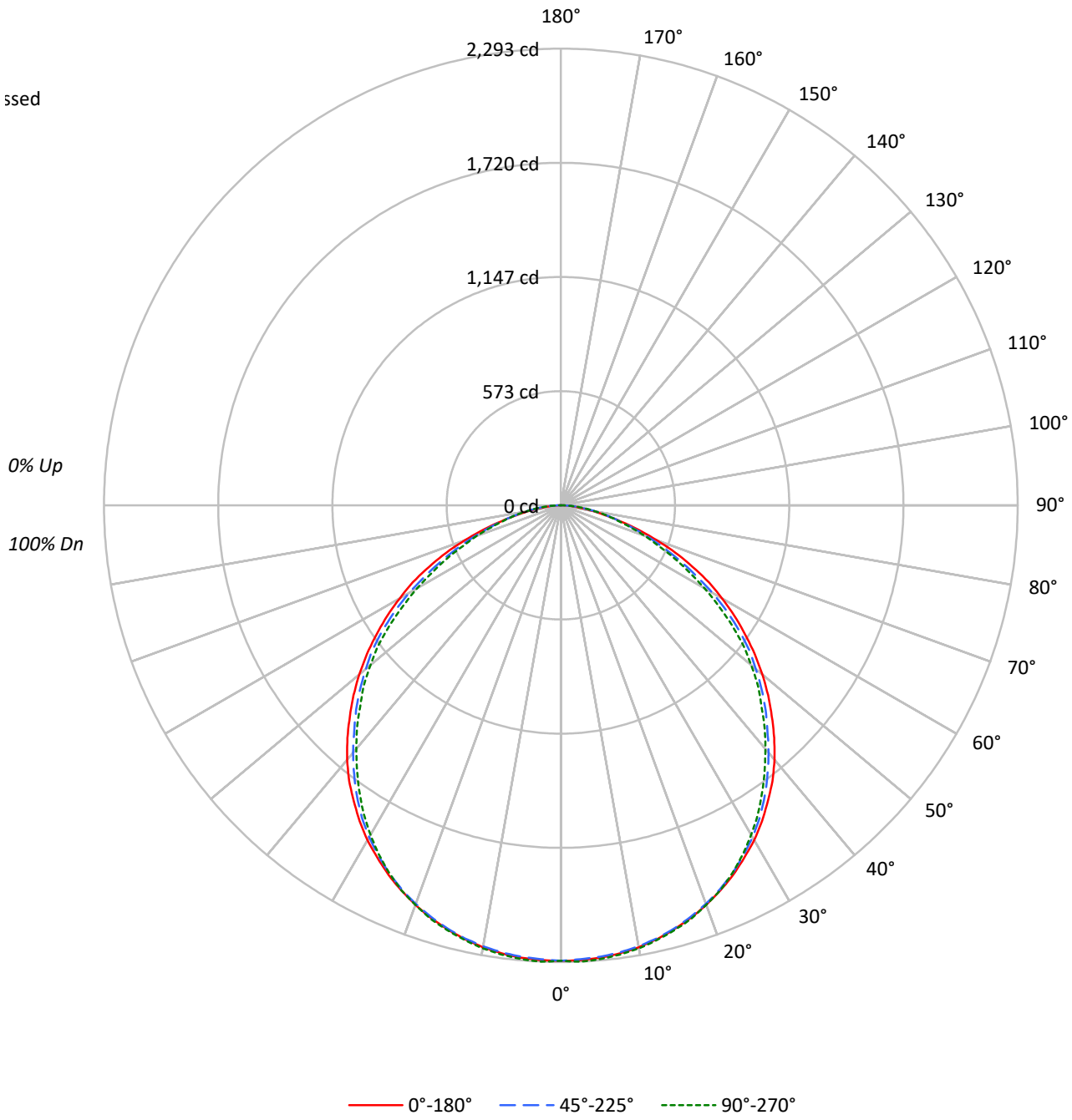
Luminous Intensity Polar Plot



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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°	3077	3077	3077
5°	3079	3073	3088
10°	3078	3071	3086
15°	3069	3064	3075
20°	3056	3049	3056
25°	3039	3026	3024
30°	3016	2990	2969
35°	2976	2931	2893
40°	2930	2850	2805
45°	2849	2765	2708
50°	2763	2673	2611
55°	2648	2558	2456
60°	2510	2362	2239
65°	2322	2110	2004
70°	2013	1836	1767
75°	1607	1572	1528
80°	1221	1364	1364
85°	903	1164	1164

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°	216.9	3.6
10°-20°	622.0	10.2
20°-30°	940.0	15.5
30°-40°	1116.2	18.4
40°-50°	1124.5	18.5
50°-60°	972.0	16.0
60°-70°	664.4	10.9
70°-80°	327.6	5.4
80°-90°	84.7	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°	1778.9	29.3
0°-40°	2895.1	47.7
0°-60°	4991.7	82.3
0°-90°	6068.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6068.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	2280	2281	2275	2284	2287	217
15°	2203	2205	2200	2207	2208	622
25°	2047	2045	2038	2040	2037	943
35°	1812	1805	1784	1768	1761	1134
45°	1497	1481	1453	1436	1423	1156
55°	1129	1125	1090	1058	1047	1009
65°	729	703	663	634	630	720
75°	309	307	302	302	294	337
85°	58	69	75	77	75	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2286.7	2286.7	2286.7	2286.7	*2286.7*
2.5°	*2286.0*	*2286.7*	*2280.8*	*2291.0*	*2293.4*
5°	2279.9	2280.8	2275.0	2284.2	*2286.7*
7.5°	2269.1	2270.6	2263.9	2273.1	*2275.0*
10°	2252.8	2253.7	2247.9	2257.1	*2258.9*
12.5°	2230.9	2231.5	2226.6	2234.9	*2234.9*
15°	2202.9	2205.4	2199.5	2207.2	*2207.8*
17.5°	2171.5	2172.4	2166.6	2174.9	*2176.7*
20°	2134.3	2134.3	2129.3	2136.1	*2134.3*
22.5°	2092.7	2092.7	2086.8	2090.2	*2091.8*
25°	2047.1	2045.3	2038.5	2040.3	*2037.0*
27.5°	1994.5	1994.5	1982.5	1982.5	*1976.6*
30°	1941.2	1936.9	1924.3	1916.6	*1910.7*
32.5°	1879.9	1874.1	1858.1	1844.5	*1840.2*
35°	1811.6	1805.4	1784.2	1768.2	*1761.4*
37.5°	1745.4	1731.8	1703.8	1687.8	*1680.1*
40°	1668.1	1651.2	1622.6	1600.4	*1597.0*
42.5°	1585.3	1571.7	1534.5	1518.2	*1514.2*
45°	1497.2	1480.9	1452.9	1436.0	*1423.3*
47.5°	1410.7	1398.7	1366.7	1346.4	*1342.1*
50°	1319.9	1309.7	1276.8	1254.9	*1247.2*
52.5°	1226.0	1219.2	1191.2	1163.2	*1154.0*
55°	1128.7	1125.3	1090.5	1058.2	*1047.1*
57.5°	1033.0	1028.6	985.2	948.0	*937.8*
60°	932.9	920.3	877.8	843.0	*831.9*
62.5°	838.1	811.0	765.1	738.0	*725.4*
65°	729.4	703.2	662.6	633.6	*629.6*
67.5°	622.8	591.4	560.0	542.2	*528.6*
70°	511.7	490.5	466.8	451.7	*449.2*
72.5°	408.3	393.2	381.2	371.9	*364.2*
75°	309.1	306.7	302.3	302.3	*294.0*
77.5°	227.2	233.1	236.5	235.5	*237.4*
80°	157.6	169.3	176.1	177.0	*176.1*
82.5°	100.1	113.6	124.7	126.2	*128.1*
85°	58.5	68.7	75.4	77.0	*75.4*
87.5°	26.2	32.9	34.8	36.3	*34.8*
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	15.6	17.2	16.0	17.5	17.8	15.0	16.6	15.4	16.9	17.2
	3H	17.1	18.5	17.4	18.8	19.2	16.4	17.8	16.8	18.1	18.5
	4H	17.5	18.8	17.9	19.2	19.6	16.9	18.2	17.3	18.6	18.9
	6H	17.8	19.0	18.2	19.4	19.8	17.2	18.5	17.6	18.8	19.2
	8H	17.8	19.0	18.2	19.4	19.8	17.3	18.5	17.8	18.9	19.3
	12H	17.8	19.0	18.3	19.4	19.8	17.4	18.6	17.8	18.9	19.4
4H	2H	16.0	17.4	16.4	17.7	18.1	15.6	16.9	16.0	17.3	17.6
	3H	17.7	18.8	18.1	19.2	19.6	17.1	18.3	17.6	18.7	19.1
	4H	18.2	19.3	18.7	19.7	20.1	17.7	18.8	18.2	19.2	19.6
	6H	18.6	19.5	19.1	19.9	20.4	18.2	19.1	18.7	19.5	20.0
	8H	18.7	19.5	19.2	20.0	20.4	18.4	19.2	18.8	19.6	20.1
	12H	18.8	19.5	19.2	20.0	20.4	18.5	19.2	19.0	19.7	20.2
8H	4H	18.4	19.3	18.9	19.7	20.2	18.0	18.8	18.4	19.2	19.7
	6H	18.9	19.6	19.4	20.1	20.5	18.5	19.2	19.0	19.7	20.2
	8H	19.0	19.7	19.5	20.2	20.6	18.8	19.4	19.3	19.9	20.4
	12H	19.1	19.7	19.7	20.2	20.7	19.0	19.5	19.5	20.0	20.6
12H	4H	18.4	19.2	18.9	19.7	20.1	18.0	18.7	18.5	19.2	19.7
	6H	18.9	19.5	19.4	20.0	20.5	18.6	19.2	19.1	19.7	20.2
	8H	19.1	19.7	19.6	20.1	20.7	18.9	19.4	19.4	19.9	20.5

(END OF REPORT)