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: P1050412

Luminaire Tested: PTR-14-60-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1050412
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab:	INNOVATION CENTER
Issue Date:	7/11/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	PTR-14-60-PR1-L850-UNV-STD-W
Description:	8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5874.6 lumens
Efficiency:	N/A
Efficacy:	118.0 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	49.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	
Total Harmonic Distortion (THDi):	
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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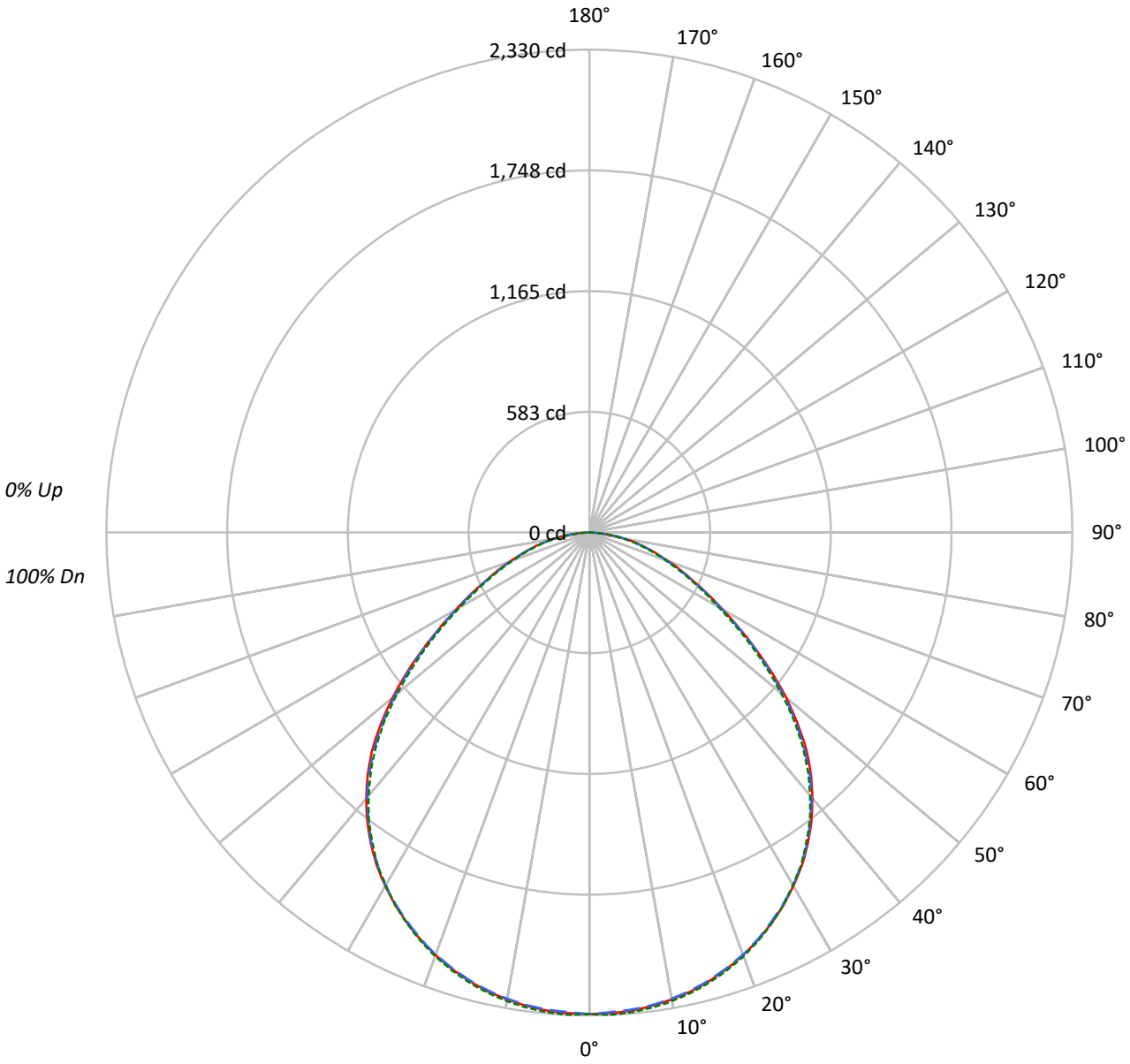
Luminous Intensity Polar Plot



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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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6251	6251	6251
5°	6257	6243	6277
10°	6251	6241	6275
15°	6240	6230	6260
20°	6214	6206	6230
25°	6173	6158	6180
30°	6118	6111	6103
35°	6034	6020	5995
40°	5882	5858	5817
45°	5637	5573	5533
50°	5186	5128	5064
55°	4590	4570	4480
60°	3989	3974	3866
65°	3515	3494	3424
70°	3190	3144	3079
75°	2953	2884	2831
80°	2695	2658	2569
85°	2130	2112	2025

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	3.8
10°-20°	632.5	10.8
20°-30°	958.1	16.3
30°-40°	1143.8	19.5
40°-50°	1124.8	19.1
50°-60°	869.4	14.8
60°-70°	548.2	9.3
70°-80°	296.5	5.0
80°-90°	81.0	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°	1810.9	30.8
0°-40°	2954.7	50.3
0°-60°	4948.9	84.2
0°-90°	5874.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5874.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2323	2323	2323	2323	2323	
5°	2316	2317	2311	2321	2324	220
15°	2240	2240	2236	2244	2247	632
25°	2079	2081	2074	2081	2082	958
35°	1837	1837	1833	1830	1825	1147
45°	1481	1475	1464	1453	1454	1134
55°	978	986	974	958	955	878
65°	552	553	549	539	538	556
75°	284	281	277	279	272	302
85°	69	70	68	69	66	82
90°	0	0	0	0	0	

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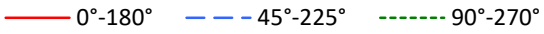
CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2322.9	2322.9	2322.9	2322.9	*2322.9*
2.5°	*2322.0*	*2322.9*	*2316.3*	*2327.1*	*2329.6*
5°	2316.3	2317.2	2311.1	2321.1	*2323.8*
7.5°	2304.5	2306.3	2300.5	2310.5	*2312.9*
10°	2287.8	2289.6	2283.9	2293.9	*2296.3*
12.5°	2267.3	2267.9	2263.0	2272.1	*2274.5*
15°	2239.7	2240.3	2236.4	2243.7	*2247.0*
17.5°	2208.0	2208.9	2203.1	2212.2	*2213.7*
20°	2169.8	2170.5	2167.1	2174.7	*2175.6*
22.5°	2127.2	2129.0	2123.9	2130.5	*2131.4*
25°	2079.1	2080.6	2074.0	2080.6	*2081.5*
27.5°	2028.3	2028.9	2023.1	2028.3	*2027.4*
30°	1969.0	1974.1	1966.6	1964.8	*1964.1*
32.5°	1907.6	1908.2	1900.9	1899.1	*1902.4*
35°	1836.8	1837.4	1832.6	1830.1	*1825.0*
37.5°	1759.4	1759.4	1750.0	1748.5	*1747.6*
40°	1674.3	1673.4	1667.7	1661.9	*1655.9*
42.5°	1581.8	1583.6	1571.8	1561.8	*1560.3*
45°	1481.1	1475.3	1464.4	1452.9	*1453.8*
47.5°	1362.2	1363.7	1348.9	1339.5	*1337.1*
50°	1238.7	1238.7	1224.8	1214.8	*1209.7*
52.5°	1109.9	1110.8	1097.5	1084.2	*1081.4*
55°	978.3	986.5	974.1	958.3	*955.0*
57.5°	855.2	861.8	850.0	833.4	*832.5*
60°	741.1	741.7	738.4	722.7	*718.4*
62.5°	643.7	639.5	637.7	629.5	*624.4*
65°	552.1	553.0	548.7	539.4	*537.8*
67.5°	478.0	477.0	469.5	463.7	*460.4*
70°	405.4	402.9	399.6	394.8	*391.4*
72.5°	340.6	340.6	337.9	336.4	*330.6*
75°	284.0	280.7	277.4	278.9	*272.3*
77.5°	229.9	226.6	223.9	220.5	*219.0*
80°	173.9	170.6	171.5	166.4	*165.8*
82.5°	120.7	120.7	119.2	115.0	*115.9*
85°	69.0	69.9	68.4	69.0	*65.6*
87.5°	25.1	25.7	27.5	25.7	*25.7*
90°	0.0	0.0	0.0	0.0	*0.0*


0°-180°
45°-225°
90°-270°

(END OF REPORT)