

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737931

Luminaire Tested: **14PT-60-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PW1-L930
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

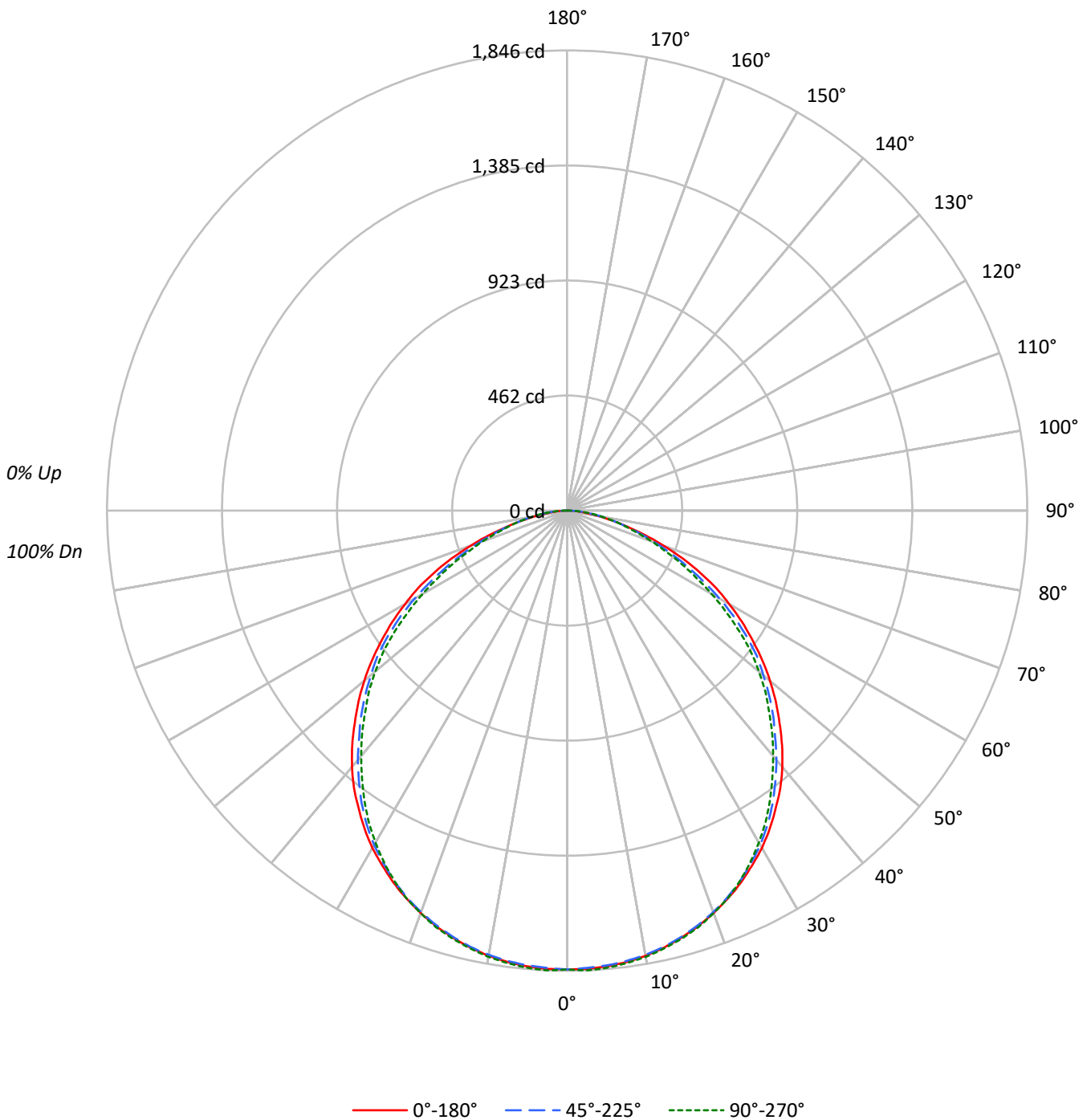
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4885.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 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				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	47	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°	5519	5519	5519
5°	5524	5511	5540
10°	5521	5509	5535
15°	5504	5496	5517
20°	5482	5468	5482
25°	5451	5428	5424
30°	5410	5362	5324
35°	5337	5257	5190
40°	5256	5112	5031
45°	5110	4959	4858
50°	4956	4794	4683
55°	4749	4588	4406
60°	4503	4237	4016
65°	4166	3784	3595
70°	3612	3294	3169
75°	2883	2821	2742
80°	2191	2450	2450
85°	1620	2088	2088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	3.6
10°-20°	500.7	10.2
20°-30°	756.7	15.5
30°-40°	898.5	18.4
40°-50°	905.3	18.5
50°-60°	782.5	16.0
60°-70°	534.8	10.9
70°-80°	263.7	5.4
80°-90°	68.2	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°	1432.0	29.3
0°-40°	2330.5	47.7
0°-60°	4018.3	82.3
0°-90°	4885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1841	1841	1841	1841	1841	
5°	1835	1836	1831	1839	1841	174
15°	1773	1775	1771	1777	1777	501
25°	1648	1646	1641	1642	1640	759
35°	1458	1453	1436	1423	1418	913
45°	1205	1192	1170	1156	1146	930
55°	908	906	878	852	843	812
65°	587	566	533	510	507	580
75°	249	247	244	244	237	271
85°	47	55	61	62	61	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1840.8	1840.8	1840.8	1840.8	1840.8
2.5°	1840.1	1840.8	1836.0	1844.2	1846.3
5°	1835.4	1836.0	1831.3	1838.8	1840.8
7.5°	1826.5	1827.9	1822.4	1829.9	1831.3
10°	1813.5	1814.2	1809.5	1817.0	1818.3
12.5°	1795.8	1796.5	1792.4	1799.2	1799.2
15°	1773.3	1775.3	1770.6	1776.7	1777.4
17.5°	1748.1	1748.7	1744.0	1750.8	1752.2
20°	1718.1	1718.1	1714.0	1719.4	1718.1
22.5°	1684.6	1684.6	1679.9	1682.6	1684.0
25°	1647.8	1646.4	1641.0	1642.4	1639.6
27.5°	1605.5	1605.5	1596.0	1596.0	1591.2
30°	1562.6	1559.1	1548.9	1542.8	1538.0
32.5°	1513.4	1508.7	1495.7	1484.8	1481.4
35°	1458.2	1453.4	1436.4	1423.4	1418.0
37.5°	1405.0	1394.1	1371.6	1358.6	1352.5
40°	1342.9	1329.3	1306.1	1288.4	1285.6
42.5°	1276.1	1265.2	1235.2	1222.2	1218.8
45°	1205.2	1192.2	1169.7	1156.1	1145.8
47.5°	1135.6	1126.0	1100.1	1083.8	1080.4
50°	1062.6	1054.4	1027.8	1010.1	1004.0
52.5°	986.9	981.5	958.9	936.4	928.9
55°	908.5	905.7	877.8	851.9	843.0
57.5°	831.4	828.0	793.2	763.2	755.0
60°	750.9	740.7	706.6	678.6	669.8
62.5°	674.5	652.7	615.9	594.1	583.8
65°	587.2	566.1	533.4	510.2	506.8
67.5°	501.3	476.1	450.8	436.5	425.6
70°	412.0	394.9	375.8	363.5	361.5
72.5°	328.7	316.5	306.9	299.4	293.3
75°	248.9	246.9	243.5	243.5	236.7
77.5°	182.8	187.6	190.3	189.6	191.0
80°	126.9	136.4	141.9	142.5	141.9
82.5°	80.5	91.4	100.3	101.6	103.0
85°	47.1	55.2	60.7	62.1	60.7
87.5°	21.1	26.6	28.0	29.3	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)