

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: P737907

Luminaire Tested: **14PT-60-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PL1-L930
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

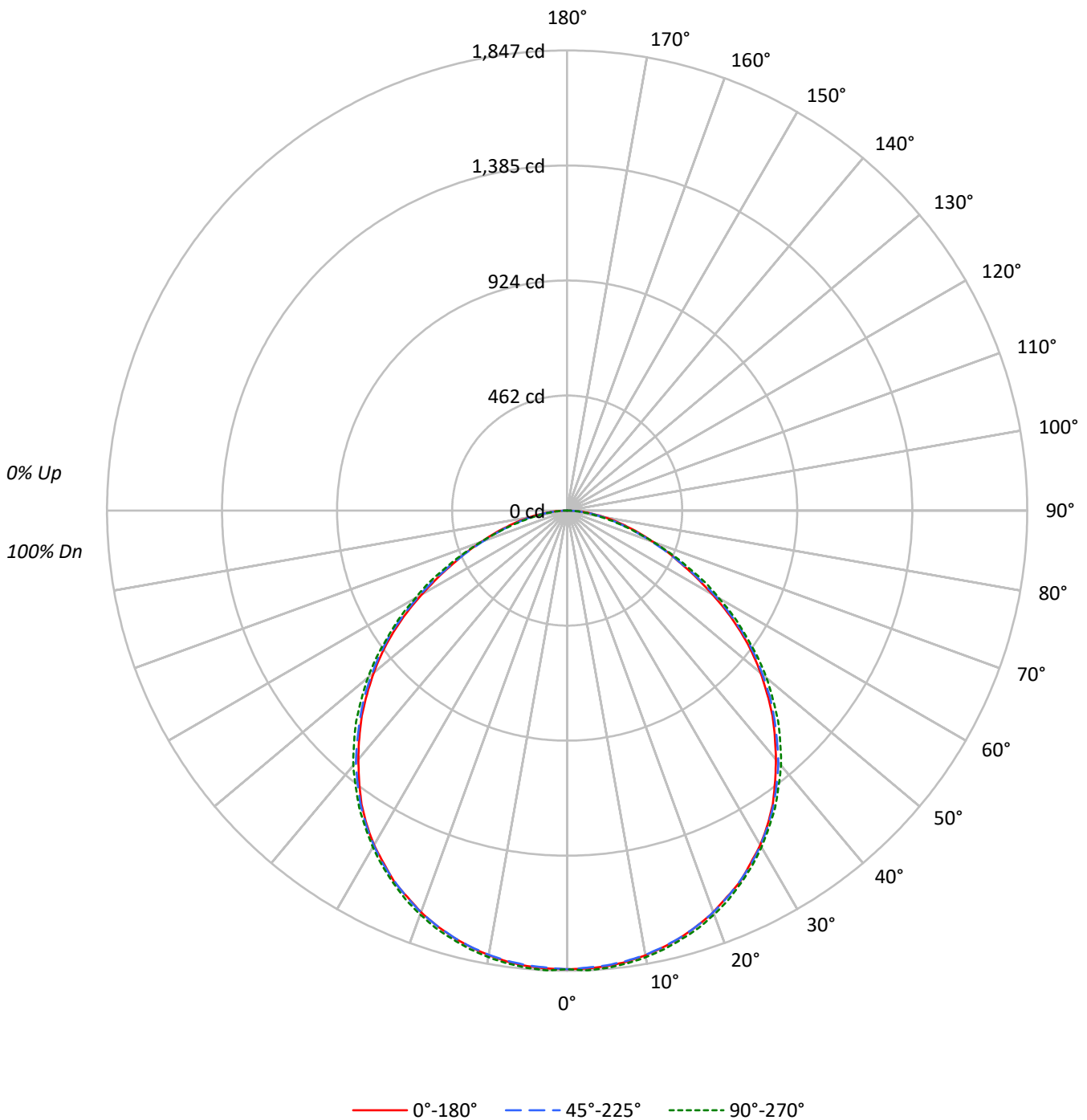
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4853.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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

TEST NUMBER: P737907
CATALOG NUMBER: 14PT-60-PL1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P737907

CATALOG NUMBER: 14PT-60-PL1-L930

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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5519	5519	5519
5°	5524	5514	5545
10°	5518	5511	5542
15°	5500	5498	5526
20°	5473	5473	5504
25°	5436	5429	5458
30°	5367	5375	5401
35°	5265	5285	5327
40°	5102	5160	5227
45°	4942	4983	5079
50°	4724	4775	4871
55°	4450	4521	4574
60°	4037	4123	4225
65°	3585	3624	3770
70°	3205	3139	3217
75°	2892	2726	2671
80°	2626	2438	2167
85°	2229	2019	1737



TEST NUMBER: P737907

CATALOG NUMBER: 14PT-60-PL1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	3.6
10°-20°	500.9	10.3
20°-30°	757.6	15.6
30°-40°	903.1	18.6
40°-50°	908.1	18.7
50°-60°	770.7	15.9
60°-70°	513.1	10.6
70°-80°	256.3	5.3
80°-90°	68.6	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°	1433.2	29.5
0°-40°	2336.2	48.1
0°-60°	4015.0	82.7
0°-90°	4853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4853.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1841	1841	1841	1841	1841	
5°	1836	1836	1832	1840	1842	174
15°	1772	1774	1771	1779	1780	500
25°	1643	1643	1641	1649	1650	756
35°	1439	1440	1444	1454	1456	897
45°	1166	1168	1175	1191	1198	897
55°	851	857	865	873	875	759
65°	505	510	511	518	531	507
75°	250	246	235	230	231	268
85°	65	63	59	55	50	75
90°	0	0	0	0	0	



TEST NUMBER: P737907

CATALOG NUMBER: 14PT-60-PL1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1839.6	1841.0	1836.2	1845.1	1847.1
5°	1835.5	1836.2	1832.1	1840.3	1842.4
7.5°	1826.7	1827.4	1823.3	1832.1	1833.5
10°	1812.4	1813.7	1810.3	1818.5	1820.5
12.5°	1793.9	1796.0	1792.6	1801.4	1802.8
15°	1772.1	1774.2	1771.4	1778.9	1780.3
17.5°	1745.5	1746.9	1745.5	1752.3	1756.4
20°	1715.5	1715.5	1715.5	1721.6	1725.0
22.5°	1678.0	1681.4	1680.0	1688.2	1691.6
25°	1643.2	1643.2	1641.1	1648.6	1650.0
27.5°	1594.8	1600.2	1599.5	1606.4	1607.7
30°	1550.4	1551.8	1552.5	1557.2	1560.0
32.5°	1496.5	1497.9	1499.9	1506.8	1507.5
35°	1438.6	1439.9	1444.0	1454.2	1455.6
37.5°	1371.0	1378.5	1381.9	1392.9	1394.2
40°	1303.5	1308.3	1318.5	1330.1	1335.6
42.5°	1234.6	1240.1	1246.2	1261.9	1266.7
45°	1165.7	1167.8	1175.3	1191.0	1197.8
47.5°	1089.3	1095.5	1102.3	1115.9	1120.0
50°	1012.9	1019.7	1023.8	1036.1	1044.3
52.5°	935.8	942.0	946.8	954.3	962.5
55°	851.3	857.4	864.9	873.1	875.1
57.5°	765.3	772.1	776.9	785.8	794.7
60°	673.2	680.7	687.6	695.7	704.6
62.5°	587.3	590.7	597.5	611.2	624.1
65°	505.4	509.5	510.9	518.4	531.4
67.5°	437.2	437.2	431.1	433.8	448.1
70°	365.6	362.9	358.1	355.4	367.0
72.5°	307.6	304.2	294.0	289.2	295.4
75°	249.7	246.2	235.3	229.9	230.6
77.5°	200.5	195.1	186.2	176.7	174.6
80°	152.1	150.1	141.2	132.3	125.5
82.5°	107.8	103.0	98.2	92.8	87.3
85°	64.8	63.4	58.7	55.3	50.5
87.5°	26.6	26.6	25.2	23.9	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)