

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: P737891

Luminaire Tested: **14PT-60-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PB1-L930
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

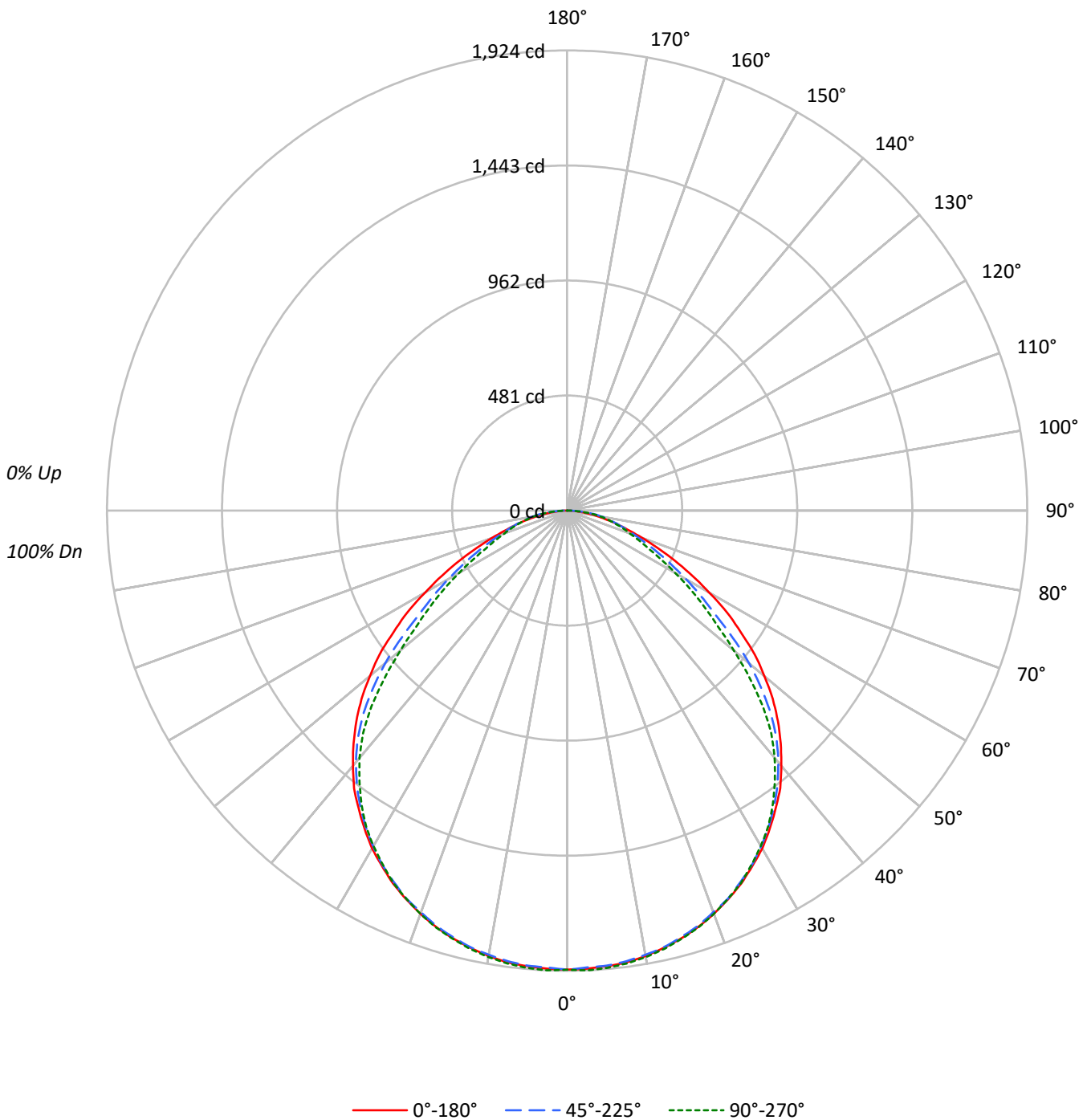
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4786.0 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5755	5755	5755
5°	5755	5748	5776
10°	5757	5743	5771
15°	5745	5730	5752
20°	5724	5702	5724
25°	5693	5670	5685
30°	5647	5615	5607
35°	5565	5521	5487
40°	5451	5377	5285
45°	5285	5115	4905
50°	5021	4636	4239
55°	4627	3936	3653
60°	4119	3440	3128
65°	3534	2981	2663
70°	2918	2628	2442
75°	2462	2516	2379
80°	2079	2567	2446
85°	1624	2597	2274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.0	3.8
10°-20°	522.2	10.9
20°-30°	791.0	16.5
30°-40°	942.6	19.7
40°-50°	921.7	19.3
50°-60°	697.1	14.6
60°-70°	428.3	8.9
70°-80°	228.2	4.8
80°-90°	72.8	1.5
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°	1495.2	31.2
0°-40°	2437.8	50.9
0°-60°	4056.7	84.8
0°-90°	4786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1919	1919	1919	1919	1919	
5°	1912	1915	1910	1917	1919	182
15°	1851	1853	1846	1853	1853	522
25°	1721	1719	1714	1716	1719	793
35°	1520	1518	1509	1502	1499	951
45°	1246	1239	1206	1166	1157	959
55°	885	840	753	711	699	793
65°	498	458	420	387	375	496
75°	212	215	217	210	205	228
85°	47	61	76	71	66	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1919.4	1919.4	1919.4	1919.4	1919.4
2.5°	1917.0	1919.4	1912.3	1921.7	1924.1
5°	1912.3	1914.7	1909.9	1917.0	1919.4
7.5°	1905.2	1905.2	1900.5	1907.6	1909.9
10°	1891.0	1891.0	1886.3	1893.4	1895.8
12.5°	1872.2	1872.2	1869.8	1874.5	1876.9
15°	1850.9	1853.3	1846.2	1853.3	1853.3
17.5°	1824.9	1822.6	1820.2	1824.9	1827.3
20°	1794.2	1794.2	1787.2	1791.9	1794.2
22.5°	1758.8	1758.8	1756.5	1758.8	1756.5
25°	1721.1	1718.7	1714.0	1716.3	1718.7
27.5°	1676.2	1676.2	1671.5	1671.5	1669.1
30°	1631.3	1629.0	1621.9	1617.2	1619.5
32.5°	1577.1	1574.7	1567.6	1562.9	1565.2
35°	1520.4	1518.0	1508.6	1501.5	1499.1
37.5°	1463.7	1456.6	1444.8	1435.4	1426.0
40°	1392.9	1385.8	1374.0	1352.8	1350.4
42.5°	1322.1	1315.0	1296.1	1270.1	1263.1
45°	1246.5	1239.4	1206.4	1166.3	1156.8
47.5°	1166.3	1154.5	1102.5	1052.9	1034.1
50°	1076.5	1055.3	993.9	930.2	908.9
52.5°	989.2	951.4	871.2	814.5	793.2
55°	885.3	840.5	753.1	710.6	698.8
57.5°	793.2	731.9	661.0	618.5	609.1
60°	687.0	630.3	573.7	535.9	521.7
62.5°	590.2	540.6	493.4	460.4	443.8
65°	498.1	458.0	420.2	387.2	375.4
67.5°	408.4	387.2	356.5	330.5	323.4
70°	332.9	321.1	299.8	288.0	278.6
72.5°	264.4	269.1	255.0	250.3	243.2
75°	212.5	214.8	217.2	210.1	205.4
77.5°	160.5	172.3	181.8	177.1	172.3
80°	120.4	132.2	148.7	141.7	141.7
82.5°	82.6	96.8	111.0	106.2	103.9
85°	47.2	61.4	75.5	70.8	66.1
87.5°	18.9	30.7	33.1	33.1	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)