

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: P737901

Luminaire Tested: **14PT-60-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PC3-L940
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

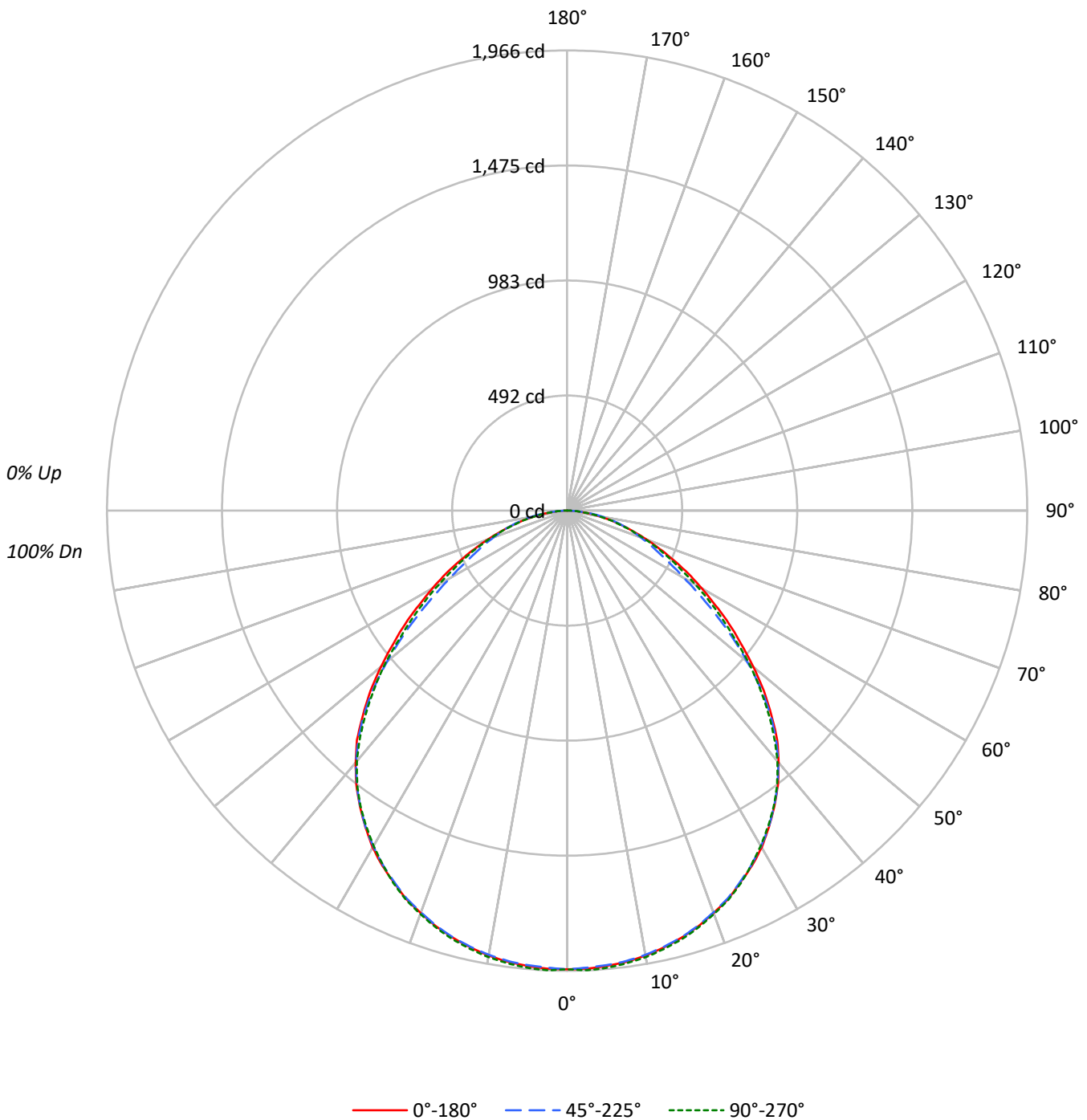
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4941.0 lumens
Efficiency: N/A
Efficacy: 99.2 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	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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5876	5876	5876
5°	5877	5867	5901
10°	5877	5866	5898
15°	5864	5857	5883
20°	5837	5828	5853
25°	5797	5788	5811
30°	5754	5734	5725
35°	5650	5644	5634
40°	5501	5492	5468
45°	5231	5192	5139
50°	4842	4679	4731
55°	4419	4060	4243
60°	3984	3463	3800
65°	3561	3098	3416
70°	3158	2931	3072
75°	2793	2841	2736
80°	2408	2711	2396
85°	1809	2146	1809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	3.8
10°-20°	533.6	10.8
20°-30°	807.8	16.3
30°-40°	963.1	19.5
40°-50°	941.1	19.0
50°-60°	719.6	14.6
60°-70°	462.0	9.3
70°-80°	257.0	5.2
80°-90°	71.0	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°	1527.3	30.9
0°-40°	2490.4	50.4
0°-60°	4151.0	84.0
0°-90°	4941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1953	1954	1949	1959	1961	186
15°	1889	1891	1887	1893	1896	533
25°	1752	1755	1750	1755	1757	808
35°	1544	1545	1542	1542	1539	964
45°	1234	1236	1225	1222	1212	949
55°	845	816	777	786	812	756
65°	502	463	437	451	482	501
75°	241	243	245	242	236	258
85°	53	62	62	60	53	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.0	1960.0	1960.0	1960.0	1960.0
2.5°	1958.6	1959.3	1954.3	1962.8	1965.6
5°	1952.9	1954.3	1949.4	1958.6	1960.7
7.5°	1944.5	1945.9	1941.0	1950.1	1950.8
10°	1930.5	1931.2	1927.0	1936.1	1937.5
12.5°	1911.6	1913.7	1908.8	1917.2	1917.9
15°	1889.2	1890.6	1887.1	1893.4	1895.5
17.5°	1862.5	1863.2	1859.7	1866.7	1867.4
20°	1829.6	1829.6	1826.8	1834.5	1834.5
22.5°	1795.9	1793.8	1793.1	1795.9	1800.1
25°	1752.5	1754.6	1749.7	1755.3	1756.7
27.5°	1710.4	1710.4	1706.2	1709.0	1705.5
30°	1662.0	1659.2	1656.4	1657.1	1653.6
32.5°	1603.9	1603.9	1602.5	1602.5	1598.2
35°	1543.6	1545.0	1542.2	1541.5	1539.4
37.5°	1479.1	1481.2	1476.3	1474.9	1473.5
40°	1405.5	1405.5	1403.4	1400.6	1397.1
42.5°	1329.1	1329.1	1320.0	1312.9	1308.0
45°	1233.7	1236.5	1224.6	1221.8	1212.0
47.5°	1139.1	1137.0	1120.9	1118.8	1113.2
50°	1038.2	1026.2	1003.1	1009.4	1014.3
52.5°	937.2	922.5	888.8	895.9	904.3
55°	845.4	815.9	776.7	786.5	811.7
57.5°	749.4	710.1	670.8	689.1	720.6
60°	664.5	620.4	577.6	597.2	633.7
62.5°	583.2	536.3	501.9	520.8	551.7
65°	501.9	463.4	436.7	451.4	481.6
67.5°	427.6	401.7	383.4	390.4	415.0
70°	360.3	344.2	334.4	336.5	350.5
72.5°	296.5	292.3	288.8	288.8	290.2
75°	241.1	243.2	245.3	241.8	236.2
77.5°	190.0	197.0	201.9	194.9	187.9
80°	139.5	150.7	157.0	149.3	138.8
82.5°	95.3	108.0	110.1	105.1	93.2
85°	52.6	61.7	62.4	60.3	52.6
87.5°	19.6	23.1	25.2	23.1	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)