

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: P413027

Luminaire Tested: **14PD-55-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PC3-L950
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

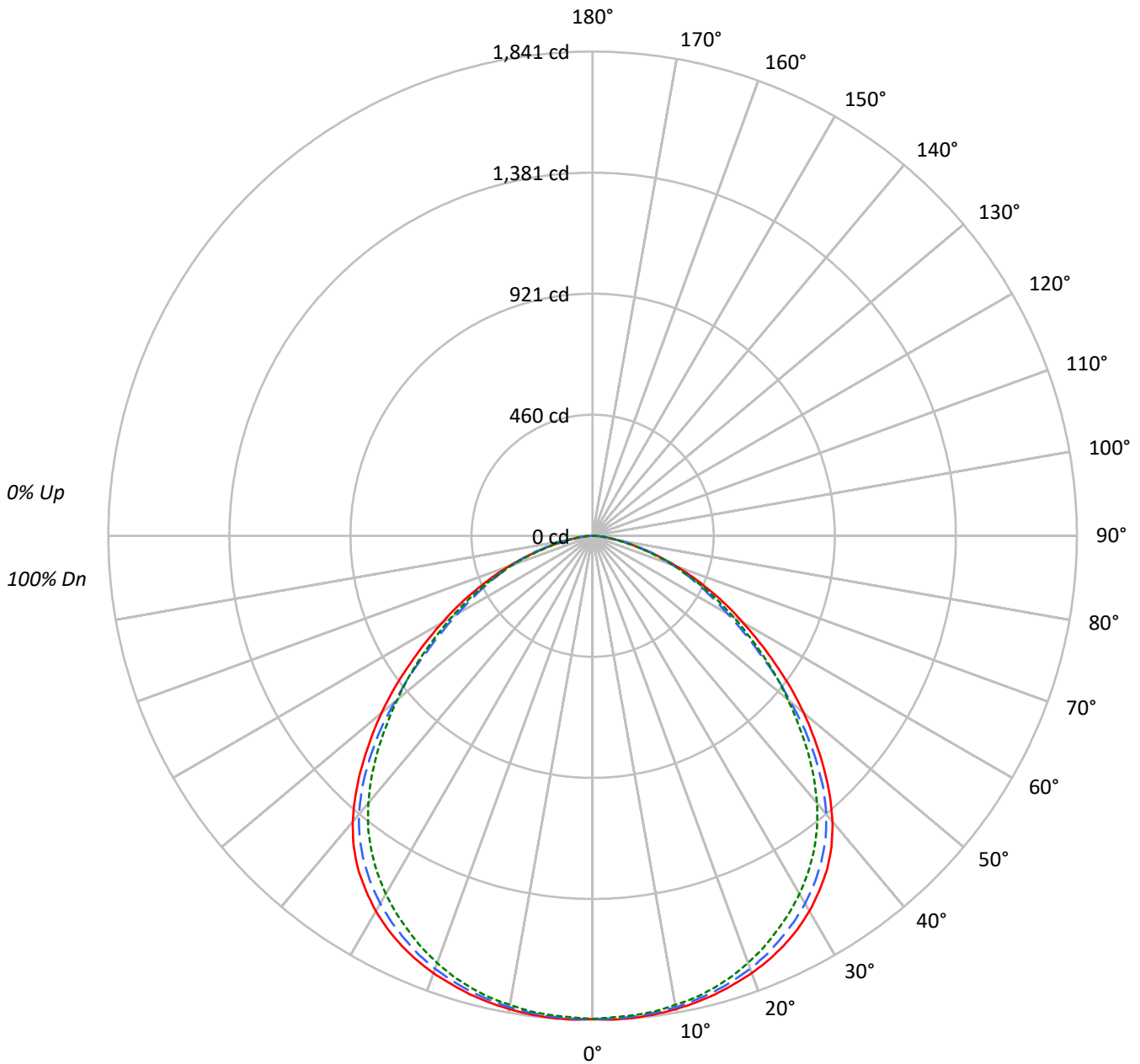
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4748.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
Input Voltage (V): NR
Input Current (Ain): 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									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	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	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	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°	4944	4944	4944
5°	4970	4956	4943
10°	4994	4974	4949
15°	5028	4996	4960
20°	5068	5017	4949
25°	5105	5022	4921
30°	5122	5018	4887
35°	5099	4976	4816
40°	4984	4855	4660
45°	4723	4562	4395
50°	4384	4105	4057
55°	3970	3618	3698
60°	3550	3187	3327
65°	3132	2857	2956
70°	2666	2531	2550
75°	2049	2159	1990
80°	1502	1578	1489
85°	1007	1105	1081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	3.7
10°-20°	506.1	10.7
20°-30°	778.4	16.4
30°-40°	941.9	19.8
40°-50°	919.6	19.4
50°-60°	710.6	15.0
60°-70°	456.3	9.6
70°-80°	215.4	4.5
80°-90°	45.2	1.0
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°	1459.1	30.7
0°-40°	2401.0	50.6
0°-60°	4031.1	84.9
0°-90°	4748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1837	1837	1837	1837	1837	
5°	1840	1832	1835	1833	1830	175
15°	1805	1796	1793	1787	1780	510
25°	1719	1705	1692	1670	1657	792
35°	1552	1536	1515	1481	1466	968
45°	1241	1226	1199	1168	1155	955
55°	846	805	771	772	788	759
65°	492	463	449	444	464	490
75°	197	200	208	191	191	216
85°	33	38	36	35	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1837.3	1837.3	1837.3	1837.3	1837.3
2.5°	1841.3	1834.0	1838.1	1838.1	1832.4
5°	1839.7	1831.6	1834.8	1833.2	1829.9
7.5°	1834.8	1826.7	1829.1	1827.5	1823.4
10°	1827.5	1818.5	1820.2	1816.9	1811.2
12.5°	1817.7	1809.6	1807.9	1803.1	1799.0
15°	1804.7	1795.7	1793.3	1786.8	1780.3
17.5°	1787.6	1778.6	1774.6	1764.8	1757.5
20°	1769.7	1759.1	1751.8	1737.1	1728.1
22.5°	1746.9	1734.6	1724.9	1704.5	1695.6
25°	1719.2	1705.3	1691.5	1669.5	1657.3
27.5°	1686.6	1671.9	1655.7	1631.2	1617.4
30°	1648.3	1633.7	1614.9	1587.2	1572.6
32.5°	1602.7	1588.1	1568.5	1536.8	1522.1
35°	1552.2	1535.9	1514.8	1480.6	1465.9
37.5°	1492.0	1474.0	1454.5	1417.0	1401.6
40°	1418.7	1403.2	1382.0	1344.6	1326.6
42.5°	1334.0	1320.1	1296.5	1260.7	1243.6
45°	1241.1	1225.7	1198.8	1167.8	1154.8
47.5°	1144.2	1121.4	1095.4	1068.5	1061.1
50°	1047.3	1018.0	980.5	966.7	969.1
52.5°	947.9	910.5	877.9	867.3	879.5
55°	846.2	805.4	771.2	772.0	788.3
57.5°	749.2	706.9	678.4	678.4	699.6
60°	659.7	620.6	592.1	591.2	618.1
62.5°	576.6	536.7	515.5	515.5	539.9
65°	491.9	462.6	448.7	443.8	464.2
67.5°	413.7	393.4	383.6	377.9	390.9
70°	338.8	325.8	321.7	315.2	324.1
72.5°	264.7	261.4	269.6	254.1	258.2
75°	197.1	200.3	207.7	190.6	191.4
77.5°	141.7	148.2	150.7	142.5	142.5
80°	96.9	105.1	101.8	97.7	96.1
82.5°	61.9	66.0	66.0	63.5	61.9
85°	32.6	37.5	35.8	35.0	35.0
87.5°	12.2	17.1	17.1	16.3	15.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)