

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: P413036

Luminaire Tested: **14PD-60-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413036
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-60-PC3-L950
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

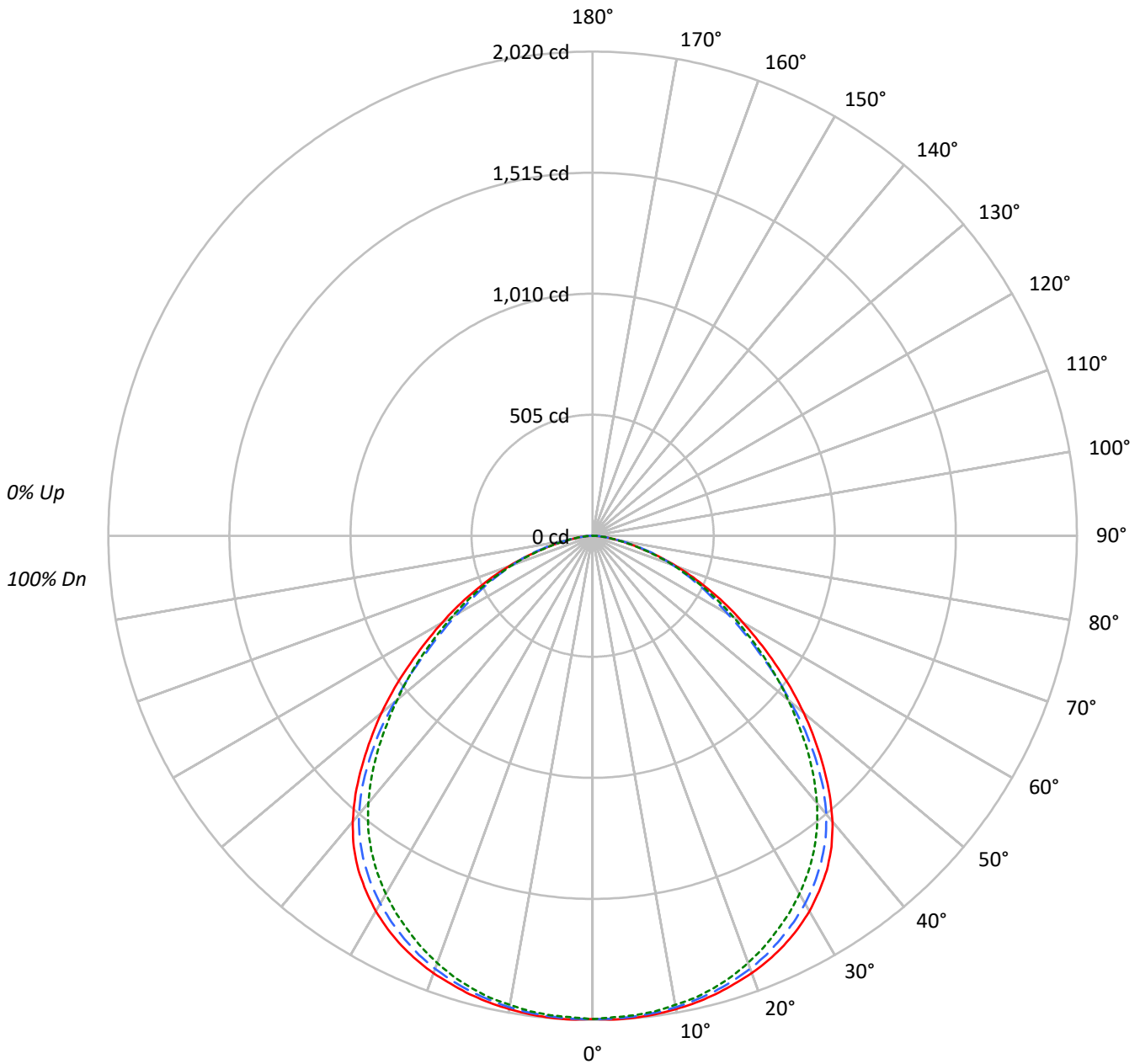
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210.0 lumens
Efficiency: N/A
Efficacy: 87.9 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): 59.3
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									
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°	5425	5425	5425
5°	5453	5439	5424
10°	5479	5458	5431
15°	5517	5482	5442
20°	5561	5505	5430
25°	5601	5511	5399
30°	5620	5506	5362
35°	5595	5460	5284
40°	5468	5327	5114
45°	5183	5006	4822
50°	4811	4504	4452
55°	4356	3970	4058
60°	3895	3497	3651
65°	3437	3135	3244
70°	2925	2777	2799
75°	2249	2370	2183
80°	1647	1731	1633
85°	1102	1213	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	3.7
10°-20°	555.4	10.7
20°-30°	854.2	16.4
30°-40°	1033.5	19.8
40°-50°	1009.0	19.4
50°-60°	779.7	15.0
60°-70°	500.7	9.6
70°-80°	236.3	4.5
80°-90°	49.6	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°	1601.1	30.7
0°-40°	2634.6	50.6
0°-60°	4423.4	84.9
0°-90°	5210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2016	2016	2016	2016	2016	
5°	2019	2010	2013	2012	2008	192
15°	1980	1970	1968	1961	1954	560
25°	1886	1871	1856	1832	1818	869
35°	1703	1685	1662	1625	1608	1062
45°	1362	1345	1315	1282	1267	1048
55°	928	884	846	847	865	832
65°	540	508	492	487	509	537
75°	216	220	228	209	210	237
85°	36	41	39	38	38	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2016.0	2016.0	2016.0	2016.0	2016.0
2.5°	2020.5	2012.5	2016.9	2016.9	2010.7
5°	2018.7	2009.8	2013.4	2011.6	2008.0
7.5°	2013.4	2004.4	2007.1	2005.3	2000.8
10°	2005.3	1995.5	1997.3	1993.7	1987.4
12.5°	1994.6	1985.7	1983.9	1978.5	1974.0
15°	1980.3	1970.5	1967.8	1960.6	1953.5
17.5°	1961.5	1951.7	1947.2	1936.5	1928.5
20°	1941.9	1930.2	1922.2	1906.1	1896.3
22.5°	1916.8	1903.4	1892.7	1870.4	1860.5
25°	1886.5	1871.3	1856.1	1831.9	1818.5
27.5°	1850.7	1834.6	1816.8	1789.9	1774.8
30°	1808.7	1792.6	1772.1	1741.7	1725.6
32.5°	1758.7	1742.6	1721.1	1686.3	1670.2
35°	1703.3	1685.4	1662.2	1624.6	1608.5
37.5°	1637.1	1617.5	1596.0	1554.9	1537.9
40°	1556.7	1539.7	1516.5	1475.4	1455.7
42.5°	1463.8	1448.6	1422.7	1383.3	1364.6
45°	1361.9	1344.9	1315.4	1281.5	1267.2
47.5°	1255.6	1230.5	1201.9	1172.4	1164.4
50°	1149.2	1117.0	1075.9	1060.7	1063.4
52.5°	1040.2	999.1	963.3	951.7	965.1
55°	928.5	883.8	846.3	847.2	865.0
57.5°	822.1	775.7	744.4	744.4	767.6
60°	723.8	680.9	649.7	648.8	678.3
62.5°	632.7	588.9	565.7	565.7	592.5
65°	539.8	507.6	492.4	487.0	509.4
67.5°	454.0	431.6	420.9	414.6	428.9
70°	371.8	357.5	353.0	345.8	355.7
72.5°	290.4	286.9	295.8	278.8	283.3
75°	216.3	219.8	227.9	209.1	210.0
77.5°	155.5	162.6	165.3	156.4	156.4
80°	106.3	115.3	111.7	107.2	105.4
82.5°	67.9	72.4	72.4	69.7	67.9
85°	35.7	41.1	39.3	38.4	38.4
87.5°	13.4	18.8	18.8	17.9	17.0
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)