

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: P413028

Luminaire Tested: **14PD-60-PC3-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413028
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-L830
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

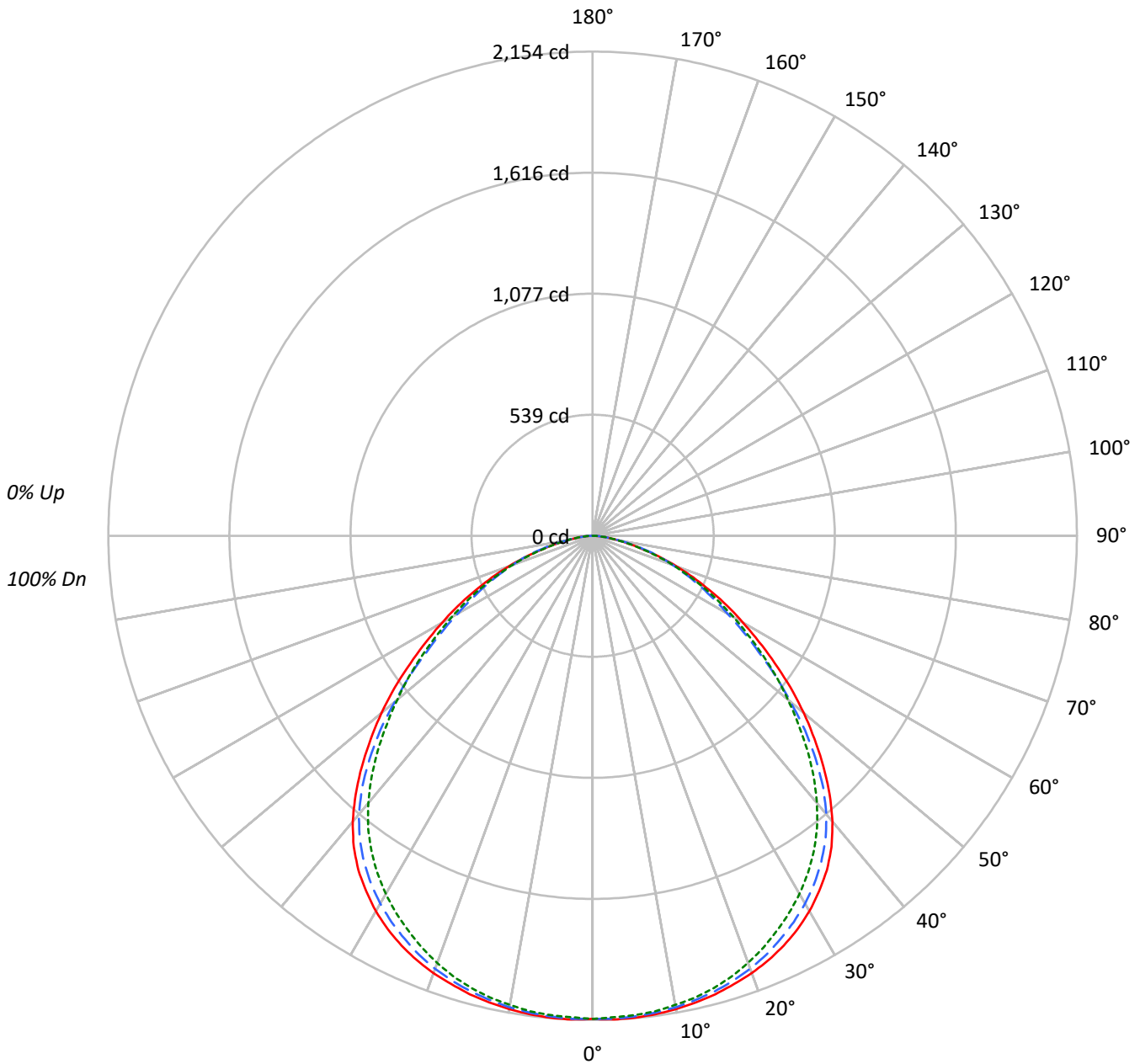
Lumens per Lamp: N/A
Luminaire Lumens: 5555.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5784	5784	5784
5°	5814	5799	5783
10°	5842	5819	5790
15°	5882	5845	5802
20°	5929	5869	5790
25°	5972	5876	5757
30°	5992	5871	5717
35°	5966	5822	5634
40°	5831	5680	5452
45°	5526	5337	5142
50°	5130	4803	4747
55°	4645	4233	4327
60°	4154	3728	3892
65°	3664	3343	3458
70°	3119	2961	2984
75°	2398	2527	2328
80°	1757	1846	1742
85°	1176	1294	1266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	3.7
10°-20°	592.1	10.7
20°-30°	910.7	16.4
30°-40°	1102.0	19.8
40°-50°	1075.9	19.4
50°-60°	831.4	15.0
60°-70°	533.9	9.6
70°-80°	252.0	4.5
80°-90°	52.8	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°	1707.1	30.7
0°-40°	2809.1	50.6
0°-60°	4716.3	84.9
0°-90°	5555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2152	2143	2147	2145	2141	205
15°	2111	2101	2098	2090	2083	597
25°	2011	1995	1979	1953	1939	927
35°	1816	1797	1772	1732	1715	1132
45°	1452	1434	1402	1366	1351	1117
55°	990	942	902	903	922	887
65°	576	541	525	519	543	573
75°	231	234	243	223	224	253
85°	38	44	42	41	41	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2149.5	2149.5	2149.5	2149.5	2149.5
2.5°	2154.3	2145.7	2150.5	2150.5	2143.8
5°	2152.4	2142.9	2146.7	2144.8	2141.0
7.5°	2146.7	2137.1	2140.0	2138.1	2133.3
10°	2138.1	2127.6	2129.5	2125.7	2119.0
12.5°	2126.7	2117.1	2115.2	2109.5	2104.8
15°	2111.4	2100.9	2098.1	2090.5	2082.8
17.5°	2091.4	2080.9	2076.2	2064.7	2056.2
20°	2070.5	2058.1	2049.5	2032.3	2021.9
22.5°	2043.8	2029.5	2018.0	1994.2	1983.7
25°	2011.4	1995.2	1979.0	1953.3	1939.0
27.5°	1973.3	1956.1	1937.1	1908.5	1892.3
30°	1928.5	1911.3	1889.4	1857.0	1839.9
32.5°	1875.1	1858.0	1835.1	1797.9	1780.8
35°	1816.1	1797.0	1772.2	1732.2	1715.1
37.5°	1745.5	1724.6	1701.7	1657.9	1639.8
40°	1659.8	1641.7	1616.9	1573.1	1552.1
42.5°	1560.7	1544.5	1516.9	1474.9	1454.9
45°	1452.1	1434.0	1402.5	1366.3	1351.1
47.5°	1338.7	1312.0	1281.5	1250.1	1241.5
50°	1225.3	1191.0	1147.2	1131.0	1133.8
52.5°	1109.1	1065.2	1027.1	1014.7	1029.0
55°	990.0	942.3	902.3	903.3	922.3
57.5°	876.6	827.0	793.7	793.7	818.5
60°	771.8	726.0	692.7	691.7	723.2
62.5°	674.6	627.9	603.1	603.1	631.7
65°	575.5	541.2	525.0	519.3	543.1
67.5°	484.0	460.2	448.8	442.1	457.3
70°	396.4	381.1	376.4	368.7	379.2
72.5°	309.7	305.9	315.4	297.3	302.0
75°	230.6	234.4	243.0	223.0	223.9
77.5°	165.8	173.4	176.3	166.7	166.7
80°	113.4	122.9	119.1	114.3	112.4
82.5°	72.4	77.2	77.2	74.3	72.4
85°	38.1	43.8	41.9	41.0	41.0
87.5°	14.3	20.0	20.0	19.1	18.1
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)