

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: P413031

Luminaire Tested: **14PD-60-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413031
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-L850
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

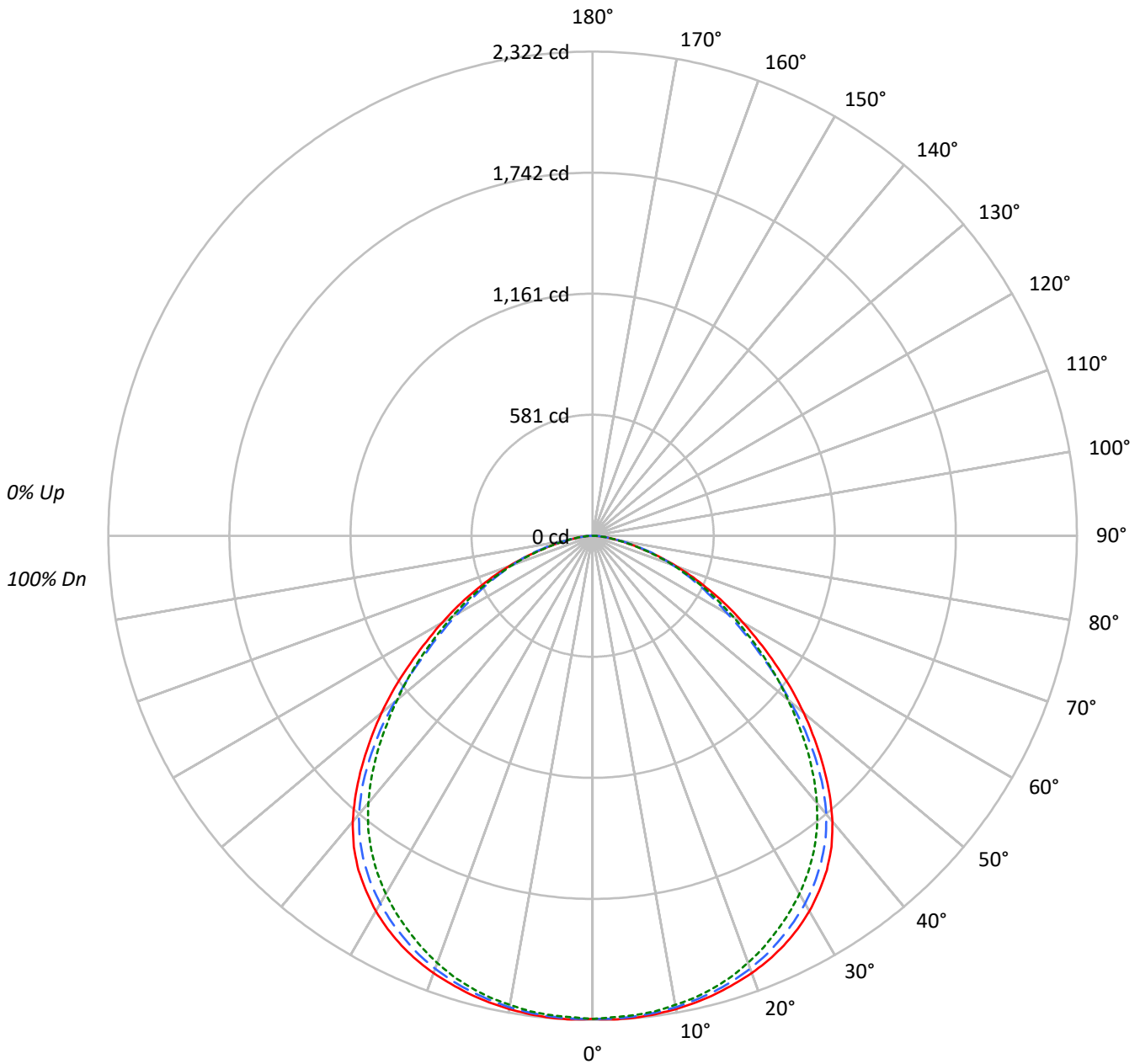
Lumens per Lamp: N/A
Luminaire Lumens: 5988.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P413031

CATALOG NUMBER: 14PD-60-PC3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P413031

CATALOG NUMBER: 14PD-60-PC3-L850

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°	6235	6235	6235
5°	6267	6251	6234
10°	6298	6272	6242
15°	6341	6301	6255
20°	6391	6326	6241
25°	6438	6334	6206
30°	6459	6329	6163
35°	6431	6276	6073
40°	6285	6123	5877
45°	5957	5754	5543
50°	5529	5177	5117
55°	5006	4563	4664
60°	4477	4019	4196
65°	3950	3603	3727
70°	3362	3192	3216
75°	2585	2723	2510
80°	1894	1990	1878
85°	1269	1396	1365



TEST NUMBER: P413031

CATALOG NUMBER: 14PD-60-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	3.7
10°-20°	638.3	10.7
20°-30°	981.7	16.4
30°-40°	1187.9	19.8
40°-50°	1159.7	19.4
50°-60°	896.2	15.0
60°-70°	575.5	9.6
70°-80°	271.6	4.5
80°-90°	57.0	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°	1840.2	30.7
0°-40°	3028.1	50.6
0°-60°	5083.9	84.9
0°-90°	5988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2320	2310	2314	2312	2308	221
15°	2276	2265	2262	2253	2245	643
25°	2168	2151	2133	2106	2090	999
35°	1958	1937	1910	1867	1849	1221
45°	1565	1546	1512	1473	1456	1204
55°	1067	1016	973	974	994	957
65°	620	583	566	560	585	618
75°	249	253	262	240	241	273
85°	41	47	45	44	44	53
90°	0	0	0	0	0	



TEST NUMBER: P413031

CATALOG NUMBER: 14PD-60-PC3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2317.1	2317.1	2317.1	2317.1	2317.1
2.5°	2322.2	2313.0	2318.1	2318.1	2310.9
5°	2320.2	2309.9	2314.0	2312.0	2307.8
7.5°	2314.0	2303.7	2306.8	2304.8	2299.6
10°	2304.8	2293.5	2295.5	2291.4	2284.2
12.5°	2292.4	2282.2	2280.1	2274.0	2268.8
15°	2276.0	2264.7	2261.6	2253.4	2245.2
17.5°	2254.4	2243.1	2238.0	2225.7	2216.4
20°	2231.8	2218.5	2209.2	2190.8	2179.5
22.5°	2203.1	2187.7	2175.4	2149.7	2138.4
25°	2168.2	2150.7	2133.2	2105.5	2090.1
27.5°	2127.1	2108.6	2088.0	2057.2	2039.8
30°	2078.8	2060.3	2036.7	2001.8	1983.3
32.5°	2021.3	2002.8	1978.2	1938.1	1919.6
35°	1957.6	1937.1	1910.4	1867.2	1848.7
37.5°	1881.6	1859.0	1834.4	1787.1	1767.6
40°	1789.2	1769.7	1743.0	1695.7	1673.1
42.5°	1682.4	1664.9	1635.1	1589.9	1568.3
45°	1565.3	1545.8	1511.9	1472.8	1456.4
47.5°	1443.0	1414.3	1381.4	1347.5	1338.3
50°	1320.8	1283.8	1236.6	1219.1	1222.2
52.5°	1195.5	1148.3	1107.2	1093.8	1109.2
55°	1067.1	1015.8	972.6	973.7	994.2
57.5°	944.9	891.5	855.6	855.6	882.3
60°	831.9	782.6	746.7	745.7	779.6
62.5°	727.2	676.8	650.1	650.1	681.0
65°	620.4	583.4	565.9	559.8	585.4
67.5°	521.8	496.1	483.8	476.6	493.0
70°	427.3	410.8	405.7	397.5	408.8
72.5°	333.8	329.7	340.0	320.4	325.6
75°	248.6	252.7	261.9	240.3	241.4
77.5°	178.7	186.9	190.0	179.7	179.7
80°	122.2	132.5	128.4	123.2	121.2
82.5°	78.1	83.2	83.2	80.1	78.1
85°	41.1	47.2	45.2	44.2	44.2
87.5°	15.4	21.6	21.6	20.5	19.5
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)