

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: P413035

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

Issue Date: 9/15/2020



**Test Information**

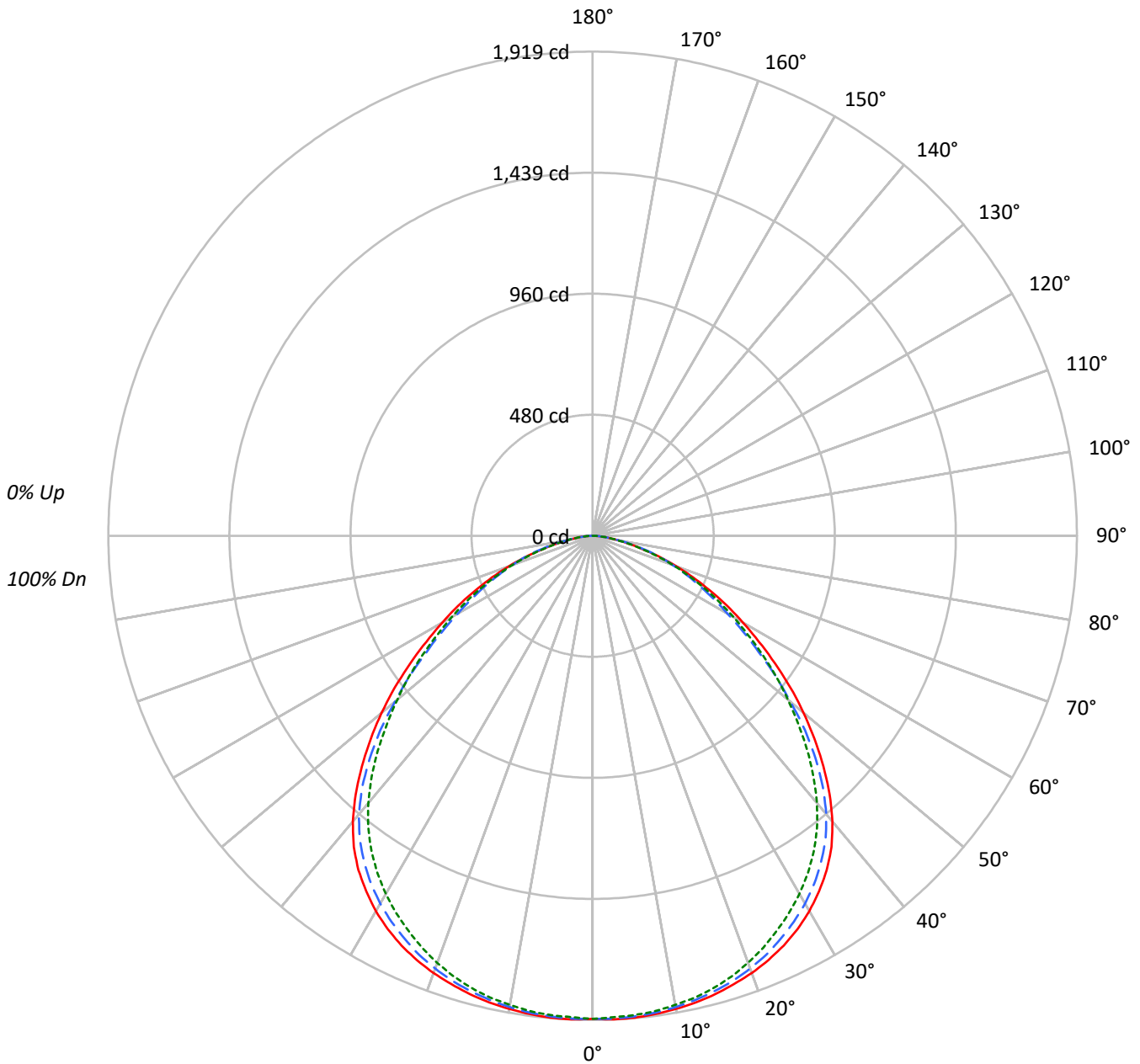
Test Method: LM-79-08  
Report Number: P413035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PC3-L940  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4948.0 lumens  
Efficiency: N/A  
Efficacy: 83.4 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<sub>in</sub>): 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: P413035  
CATALOG NUMBER: 14PD-60-PC3-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P413035

CATALOG NUMBER: 14PD-60-PC3-L940

**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°	5152	5152	5152
5°	5179	5165	5151
10°	5204	5183	5158
15°	5239	5206	5168
20°	5281	5228	5157
25°	5320	5234	5128
30°	5338	5230	5092
35°	5314	5186	5018
40°	5193	5059	4856
45°	4922	4754	4580
50°	4569	4278	4228
55°	4137	3771	3854
60°	3700	3321	3467
65°	3264	2977	3081
70°	2778	2637	2658
75°	2136	2250	2073
80°	1565	1644	1551
85°	1047	1152	1127



TEST NUMBER: P413035

CATALOG NUMBER: 14PD-60-PC3-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.9	3.7
10°-20°	527.4	10.7
20°-30°	811.2	16.4
30°-40°	981.6	19.8
40°-50°	958.3	19.4
50°-60°	740.5	15.0
60°-70°	475.5	9.6
70°-80°	224.4	4.5
80°-90°	47.1	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°	1520.6	30.7
0°-40°	2502.1	50.6
0°-60°	4201.0	84.9
0°-90°	4948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1915	1915	1915	1915	1915	
5°	1917	1909	1912	1910	1907	183
15°	1881	1871	1869	1862	1855	531
25°	1792	1777	1763	1740	1727	826
35°	1618	1601	1579	1543	1528	1009
45°	1293	1277	1249	1217	1203	995
55°	882	839	804	805	822	790
65°	513	482	468	462	484	510
75°	205	209	216	199	199	225
85°	34	39	37	36	36	44
90°	0	0	0	0	0	



TEST NUMBER: P413035

CATALOG NUMBER: 14PD-60-PC3-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1914.7	1914.7	1914.7	1914.7	1914.7
2.5°	1918.9	1911.3	1915.5	1915.5	1909.6
5°	1917.2	1908.7	1912.1	1910.4	1907.0
7.5°	1912.1	1903.6	1906.2	1904.5	1900.2
10°	1904.5	1895.1	1896.8	1893.4	1887.5
12.5°	1894.3	1885.8	1884.1	1879.0	1874.8
15°	1880.7	1871.4	1868.8	1862.0	1855.2
17.5°	1862.9	1853.5	1849.3	1839.1	1831.5
20°	1844.2	1833.2	1825.5	1810.3	1800.9
22.5°	1820.4	1807.7	1797.5	1776.3	1767.0
25°	1791.6	1777.2	1762.7	1739.8	1727.1
27.5°	1757.6	1742.4	1725.4	1699.9	1685.5
30°	1717.8	1702.5	1683.0	1654.1	1638.8
32.5°	1670.2	1655.0	1634.6	1601.5	1586.2
35°	1617.6	1600.6	1578.6	1542.9	1527.6
37.5°	1554.8	1536.1	1515.8	1476.7	1460.6
40°	1478.4	1462.3	1440.2	1401.2	1382.5
42.5°	1390.2	1375.7	1351.1	1313.8	1296.0
45°	1293.4	1277.3	1249.3	1217.0	1203.4
47.5°	1192.4	1168.7	1141.5	1113.5	1105.8
50°	1091.4	1060.9	1021.8	1007.4	1009.9
52.5°	987.9	948.8	914.9	903.9	916.6
55°	881.8	839.4	803.7	804.6	821.5
57.5°	780.8	736.7	707.0	707.0	729.0
60°	687.4	646.7	617.0	616.2	644.2
62.5°	600.9	559.3	537.2	537.2	562.7
65°	512.6	482.1	467.6	462.5	483.8
67.5°	431.1	409.9	399.7	393.8	407.4
70°	353.1	339.5	335.2	328.4	337.8
72.5°	275.8	272.4	280.9	264.8	269.0
75°	205.4	208.8	216.4	198.6	199.4
77.5°	147.7	154.5	157.0	148.5	148.5
80°	101.0	109.5	106.1	101.8	100.1
82.5°	64.5	68.7	68.7	66.2	64.5
85°	33.9	39.0	37.3	36.5	36.5
87.5°	12.7	17.8	17.8	17.0	16.1
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)