

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: P413033

Luminaire Tested: **14PD-60-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413033
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-L930
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

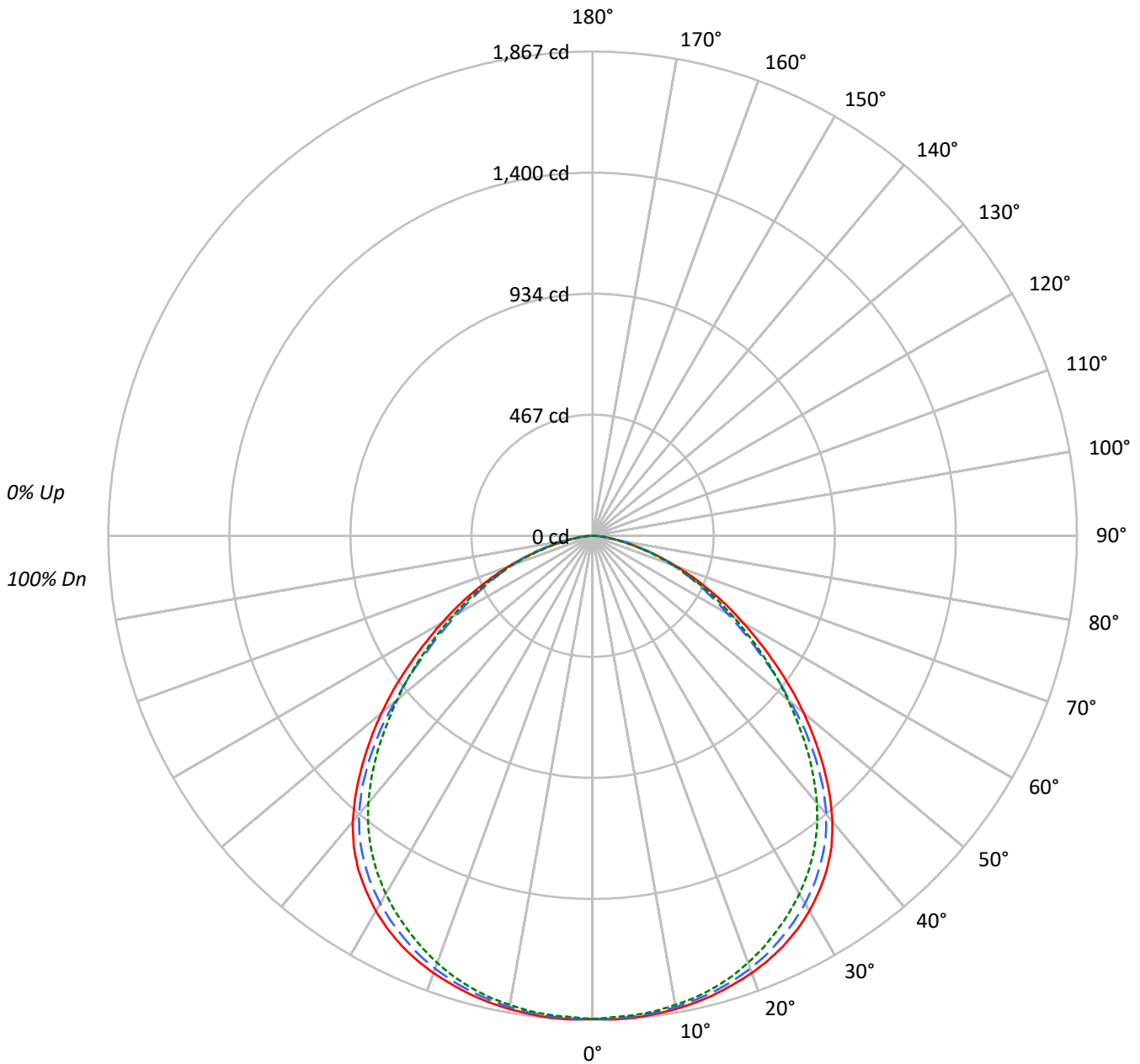
Lumens per Lamp: N/A
Luminaire Lumens: 4814.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5013	5013	5013
5°	5039	5025	5012
10°	5063	5043	5018
15°	5098	5065	5029
20°	5138	5086	5018
25°	5176	5092	4989
30°	5193	5088	4954
35°	5170	5045	4883
40°	5053	4922	4725
45°	4789	4625	4456
50°	4446	4162	4114
55°	4025	3668	3750
60°	3599	3231	3373
65°	3175	2897	2997
70°	2703	2567	2585
75°	2077	2190	2017
80°	1523	1599	1509
85°	1019	1121	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	3.7
10°-20°	513.1	10.7
20°-30°	789.2	16.4
30°-40°	955.0	19.8
40°-50°	932.3	19.4
50°-60°	720.5	15.0
60°-70°	462.7	9.6
70°-80°	218.4	4.5
80°-90°	45.8	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°	1479.4	30.7
0°-40°	2434.4	50.6
0°-60°	4087.2	84.9
0°-90°	4814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1863	1863	1863	1863	1863	
5°	1865	1857	1860	1859	1855	178
15°	1830	1821	1818	1812	1805	517
25°	1743	1729	1715	1693	1680	803
35°	1574	1557	1536	1501	1486	981
45°	1258	1243	1215	1184	1171	968
55°	858	817	782	783	799	769
65°	499	469	455	450	471	496
75°	200	203	211	193	194	219
85°	33	38	36	36	36	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1862.8	1862.8	1862.8	1862.8	1862.8
2.5°	1866.9	1859.5	1863.6	1863.6	1857.8
5°	1865.3	1857.0	1860.3	1858.7	1855.4
7.5°	1860.3	1852.1	1854.5	1852.9	1848.8
10°	1852.9	1843.8	1845.5	1842.2	1836.4
12.5°	1843.0	1834.7	1833.1	1828.1	1824.0
15°	1829.8	1820.7	1818.2	1811.6	1805.0
17.5°	1812.4	1803.4	1799.2	1789.3	1781.9
20°	1794.3	1783.5	1776.1	1761.2	1752.2
22.5°	1771.1	1758.8	1748.9	1728.2	1719.1
25°	1743.1	1729.0	1715.0	1692.7	1680.3
27.5°	1710.0	1695.2	1678.7	1653.9	1639.9
30°	1671.2	1656.4	1637.4	1609.3	1594.4
32.5°	1625.0	1610.1	1590.3	1558.1	1543.3
35°	1573.8	1557.3	1535.8	1501.1	1486.3
37.5°	1512.7	1494.5	1474.7	1436.7	1421.0
40°	1438.4	1422.7	1401.2	1363.2	1345.1
42.5°	1352.5	1338.5	1314.5	1278.2	1260.9
45°	1258.4	1242.7	1215.4	1184.1	1170.9
47.5°	1160.1	1137.0	1110.6	1083.3	1075.9
50°	1061.9	1032.1	994.2	980.1	982.6
52.5°	961.1	923.1	890.1	879.4	891.8
55°	857.9	816.6	781.9	782.8	799.3
57.5°	759.7	716.7	687.8	687.8	709.3
60°	668.8	629.2	600.3	599.5	626.7
62.5°	584.6	544.1	522.7	522.7	547.4
65°	498.7	469.0	455.0	450.0	470.7
67.5°	419.5	398.8	388.9	383.1	396.3
70°	343.5	330.3	326.2	319.5	328.6
72.5°	268.4	265.1	273.3	257.6	261.8
75°	199.8	203.1	210.6	193.2	194.0
77.5°	143.7	150.3	152.8	144.5	144.5
80°	98.3	106.5	103.2	99.1	97.4
82.5°	62.8	66.9	66.9	64.4	62.8
85°	33.0	38.0	36.3	35.5	35.5
87.5°	12.4	17.3	17.3	16.5	15.7
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)