

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: P413030

Luminaire Tested: **14PD-60-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413030
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-L840
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

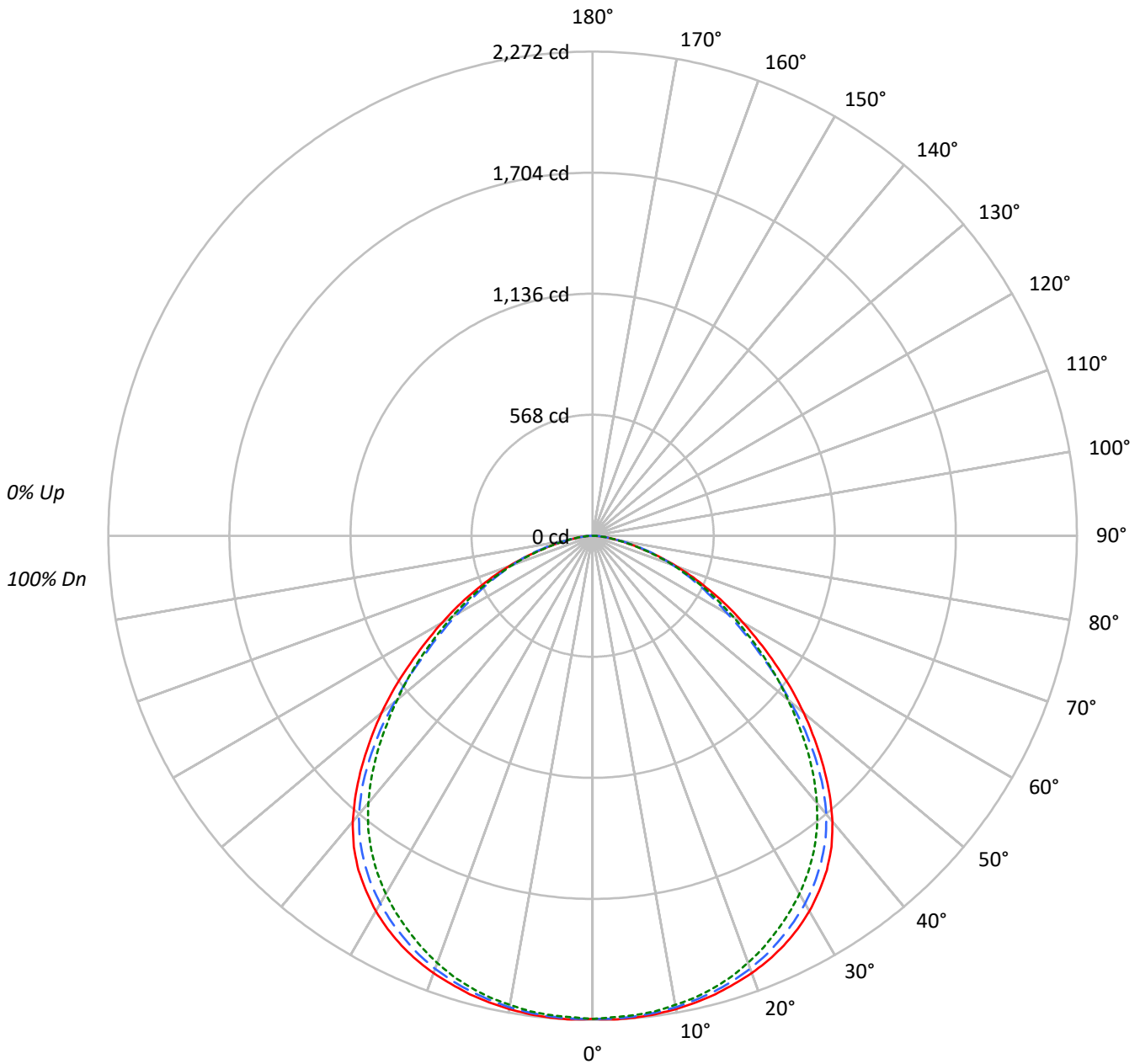
Lumens per Lamp: N/A
Luminaire Lumens: 5859.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6101	6101	6101
5°	6132	6116	6100
10°	6162	6137	6107
15°	6204	6165	6120
20°	6254	6190	6107
25°	6299	6198	6072
30°	6320	6192	6030
35°	6292	6140	5942
40°	6150	5991	5751
45°	5828	5630	5423
50°	5411	5066	5007
55°	4898	4465	4564
60°	4381	3932	4105
65°	3865	3526	3647
70°	3290	3124	3147
75°	2529	2665	2456
80°	1853	1946	1838
85°	1241	1365	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.4	3.7
10°-20°	624.5	10.7
20°-30°	960.6	16.4
30°-40°	1162.3	19.8
40°-50°	1134.7	19.4
50°-60°	876.9	15.0
60°-70°	563.1	9.6
70°-80°	265.8	4.5
80°-90°	55.7	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°	1800.5	30.7
0°-40°	2962.8	50.6
0°-60°	4974.4	84.9
0°-90°	5859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2267	2267	2267	2267	2267	
5°	2270	2260	2264	2262	2258	216
15°	2227	2216	2213	2205	2197	629
25°	2122	2104	2087	2060	2045	978
35°	1915	1895	1869	1827	1809	1194
45°	1532	1512	1479	1441	1425	1178
55°	1044	994	952	953	973	936
65°	607	571	554	548	573	604
75°	243	247	256	235	236	267
85°	40	46	44	43	43	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2267.2	2267.2	2267.2	2267.2	2267.2
2.5°	2272.2	2263.2	2268.2	2268.2	2261.1
5°	2270.2	2260.1	2264.2	2262.1	2258.1
7.5°	2264.2	2254.1	2257.1	2255.1	2250.1
10°	2255.1	2244.1	2246.1	2242.0	2235.0
12.5°	2243.1	2233.0	2231.0	2225.0	2219.9
15°	2227.0	2215.9	2212.9	2204.9	2196.8
17.5°	2205.9	2194.8	2189.8	2177.7	2168.7
20°	2183.8	2170.7	2161.7	2143.6	2132.5
22.5°	2155.6	2140.5	2128.5	2103.4	2092.3
25°	2121.5	2104.4	2087.3	2060.2	2045.1
27.5°	2081.3	2063.2	2043.1	2012.9	1995.8
30°	2034.0	2015.9	1992.8	1958.7	1940.6
32.5°	1977.7	1959.7	1935.5	1896.3	1878.3
35°	1915.4	1895.3	1869.2	1827.0	1808.9
37.5°	1841.1	1819.0	1794.8	1748.6	1729.5
40°	1750.6	1731.5	1705.4	1659.2	1637.1
42.5°	1646.1	1629.0	1599.9	1555.7	1534.6
45°	1531.5	1512.5	1479.3	1441.1	1425.0
47.5°	1412.0	1383.8	1351.7	1318.5	1309.5
50°	1292.4	1256.2	1210.0	1192.9	1195.9
52.5°	1169.8	1123.5	1083.3	1070.3	1085.3
55°	1044.1	993.9	951.7	952.7	972.8
57.5°	924.6	872.3	837.1	837.1	863.3
60°	814.0	765.8	730.6	729.6	762.8
62.5°	711.5	662.3	636.1	636.1	666.3
65°	607.0	570.8	553.7	547.7	572.8
67.5°	510.5	485.4	473.3	466.3	482.4
70°	418.1	402.0	397.0	388.9	400.0
72.5°	326.6	322.6	332.6	313.5	318.6
75°	243.2	247.2	256.3	235.2	236.2
77.5°	174.9	182.9	185.9	175.9	175.9
80°	119.6	129.6	125.6	120.6	118.6
82.5°	76.4	81.4	81.4	78.4	76.4
85°	40.2	46.2	44.2	43.2	43.2
87.5°	15.1	21.1	21.1	20.1	19.1
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)