

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: P413007

Luminaire Tested: **14PD-45-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413007
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-45-PC3-L935
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

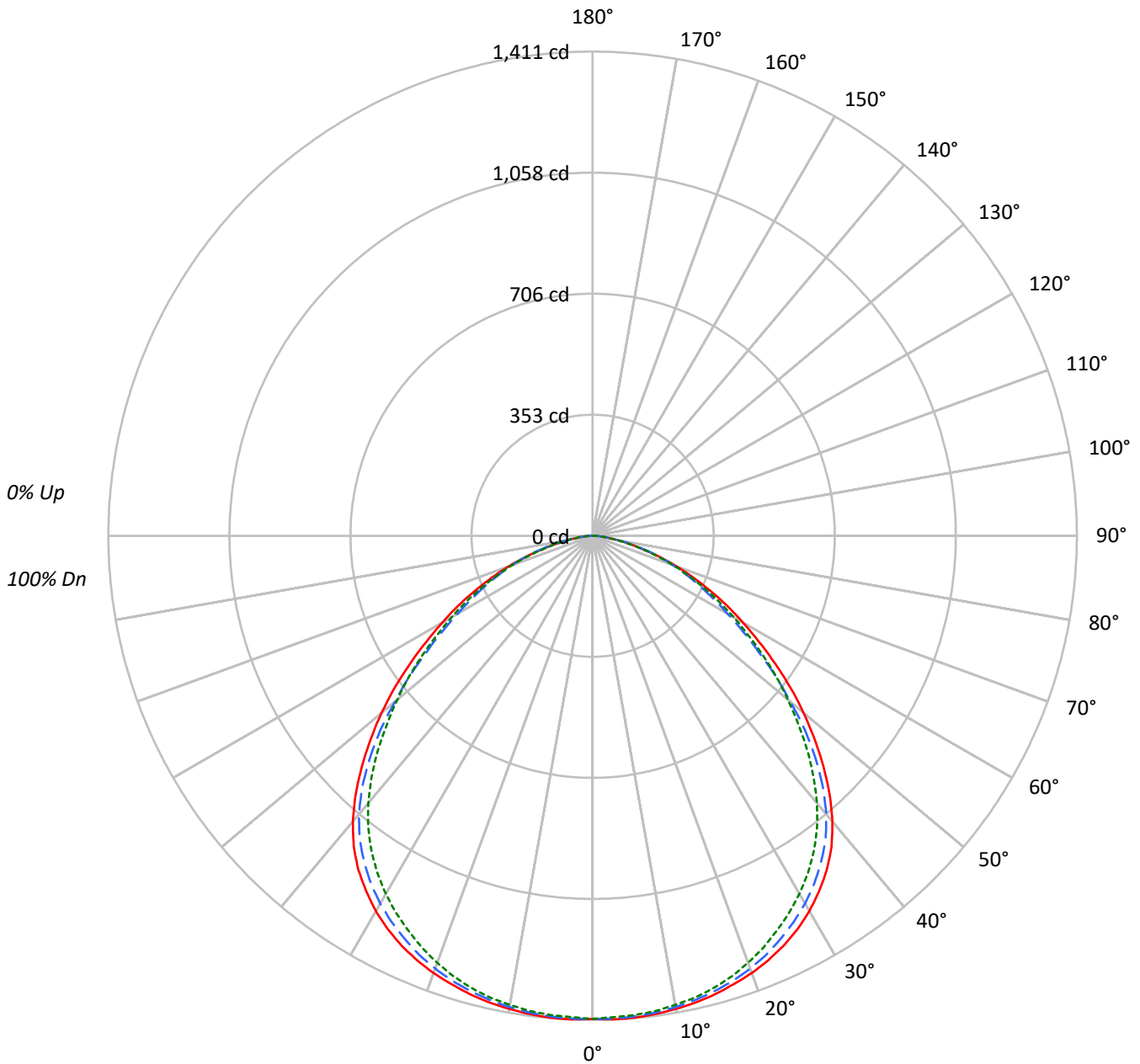
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.0 lumens
Efficiency: N/A
Efficacy: 84.8 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): 42.9
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°	3788	3788	3788
5°	3808	3798	3787
10°	3826	3811	3792
15°	3852	3828	3800
20°	3883	3844	3792
25°	3911	3848	3770
30°	3924	3845	3744
35°	3907	3813	3690
40°	3818	3720	3571
45°	3619	3495	3367
50°	3360	3145	3109
55°	3042	2772	2834
60°	2720	2441	2549
65°	2400	2189	2265
70°	2043	1939	1954
75°	1570	1654	1524
80°	1151	1209	1141
85°	772	849	827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	3.7
10°-20°	387.8	10.7
20°-30°	596.4	16.4
30°-40°	721.7	19.8
40°-50°	704.6	19.4
50°-60°	544.5	15.0
60°-70°	349.6	9.6
70°-80°	165.0	4.5
80°-90°	34.6	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°	1118.0	30.7
0°-40°	1839.7	50.6
0°-60°	3088.7	84.9
0°-90°	3638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1410	1403	1406	1405	1402	134
15°	1383	1376	1374	1369	1364	391
25°	1317	1307	1296	1279	1270	607
35°	1189	1177	1161	1134	1123	742
45°	951	939	918	895	885	732
55°	648	617	591	592	604	581
65°	377	354	344	340	356	375
75°	151	154	159	146	147	166
85°	25	29	28	27	27	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.7	1407.7	1407.7	1407.7	1407.7
2.5°	1410.9	1405.2	1408.4	1408.4	1404.0
5°	1409.6	1403.4	1405.9	1404.6	1402.1
7.5°	1405.9	1399.6	1401.5	1400.3	1397.1
10°	1400.3	1393.4	1394.6	1392.1	1387.8
12.5°	1392.8	1386.5	1385.3	1381.5	1378.4
15°	1382.8	1375.9	1374.0	1369.1	1364.1
17.5°	1369.7	1362.8	1359.7	1352.2	1346.6
20°	1356.0	1347.8	1342.2	1331.0	1324.1
22.5°	1338.5	1329.1	1321.6	1306.0	1299.2
25°	1317.3	1306.7	1296.0	1279.2	1269.8
27.5°	1292.3	1281.1	1268.6	1249.9	1239.3
30°	1263.0	1251.7	1237.4	1216.2	1204.9
32.5°	1228.0	1216.8	1201.8	1177.5	1166.3
35°	1189.3	1176.9	1160.6	1134.4	1123.2
37.5°	1143.2	1129.4	1114.5	1085.8	1073.9
40°	1087.0	1075.2	1058.9	1030.2	1016.5
42.5°	1022.1	1011.5	993.4	966.0	952.8
45°	951.0	939.1	918.5	894.8	884.8
47.5°	876.7	859.2	839.3	818.7	813.1
50°	802.5	780.0	751.3	740.7	742.6
52.5°	726.3	697.6	672.7	664.6	673.9
55°	648.3	617.1	590.9	591.6	604.0
57.5°	574.1	541.6	519.8	519.8	536.0
60°	505.4	475.5	453.6	453.0	473.6
62.5°	441.8	411.2	395.0	395.0	413.7
65°	376.9	354.4	343.8	340.1	355.7
67.5°	317.0	301.4	293.9	289.5	299.5
70°	259.6	249.6	246.5	241.5	248.4
72.5°	202.8	200.3	206.5	194.7	197.8
75°	151.0	153.5	159.1	146.0	146.6
77.5°	108.6	113.6	115.4	109.2	109.2
80°	74.3	80.5	78.0	74.9	73.6
82.5°	47.4	50.5	50.5	48.7	47.4
85°	25.0	28.7	27.5	26.8	26.8
87.5°	9.4	13.1	13.1	12.5	11.9
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)