

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: P506643

Luminaire Tested: **24PD-40-PW1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-40-PW1-L935
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

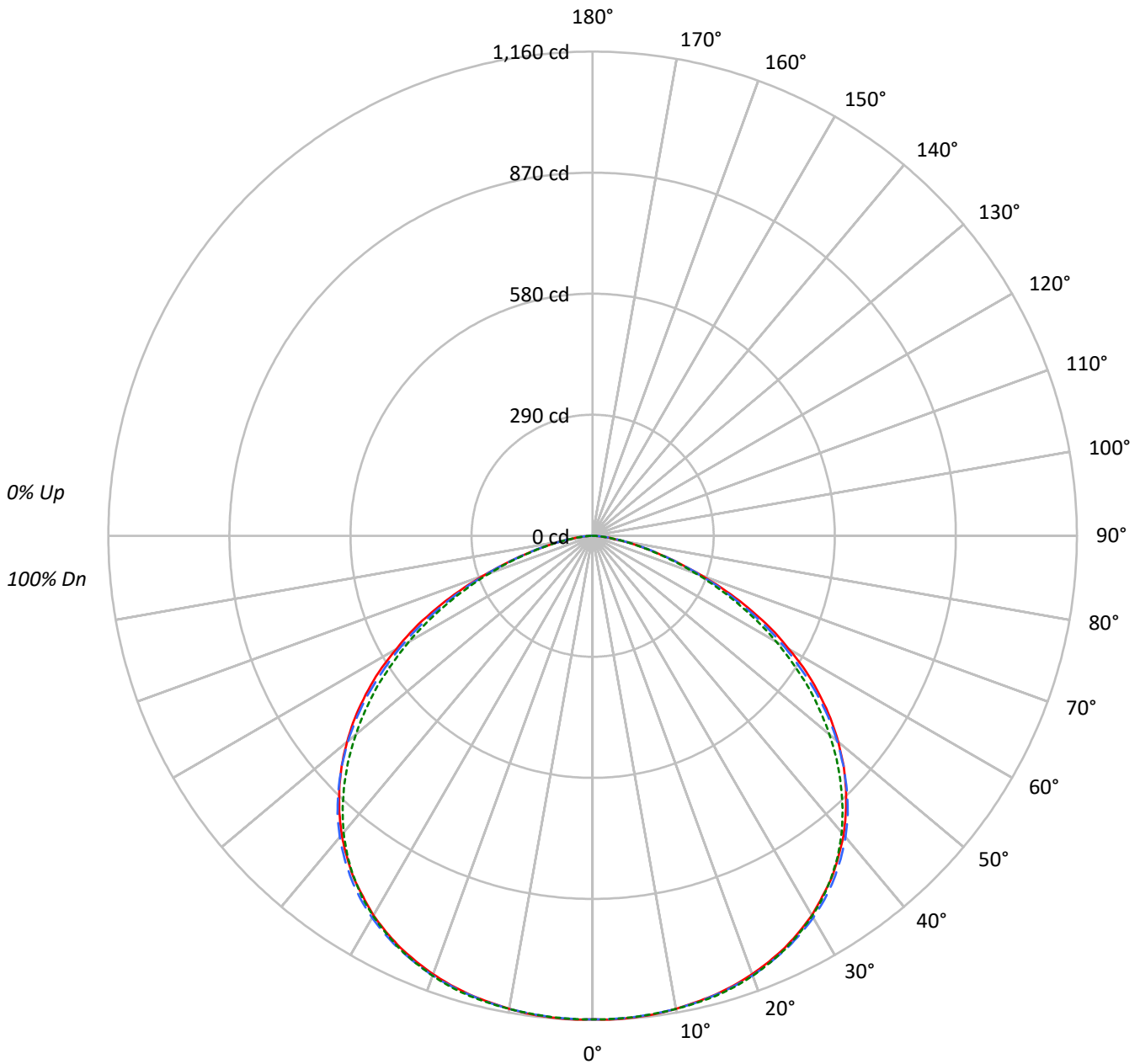
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3397.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1559	1559	1559
5°	1564	1563	1563
10°	1572	1572	1573
15°	1585	1586	1590
20°	1600	1605	1606
25°	1617	1624	1622
30°	1631	1642	1634
35°	1641	1653	1639
40°	1643	1655	1630
45°	1633	1639	1600
50°	1607	1600	1550
55°	1556	1531	1477
60°	1461	1424	1368
65°	1318	1270	1218
70°	1087	1070	1031
75°	831	839	805
80°	576	594	581
85°	344	360	349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.2
10°-20°	322.1	9.5
20°-30°	503.8	14.8
30°-40°	626.6	18.4
40°-50°	658.5	19.4
50°-60°	578.0	17.0
60°-70°	393.6	11.6
70°-80°	173.6	5.1
80°-90°	31.3	0.9
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°	936.1	27.6
0°-40°	1562.7	46.0
0°-60°	2799.3	82.4
0°-90°	3397.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1158	1158	1157	1156	1157	110
15°	1138	1139	1139	1139	1141	322
25°	1089	1092	1094	1093	1092	502
35°	999	1003	1007	1002	998	624
45°	858	864	861	847	841	661
55°	663	661	653	636	630	591
65°	414	404	399	390	383	408
75°	160	161	161	158	155	175
85°	22	23	23	23	23	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1160.0	1159.3	1158.7	1157.7	1158.7
5°	1158.3	1158.0	1157.1	1155.8	1157.1
7.5°	1155.8	1155.8	1154.8	1153.8	1154.5
10°	1150.9	1151.9	1150.9	1149.9	1151.2
12.5°	1144.4	1146.1	1145.7	1145.7	1146.7
15°	1138.0	1139.3	1138.9	1138.9	1141.2
17.5°	1128.9	1130.5	1130.8	1131.5	1132.8
20°	1117.6	1119.9	1121.1	1120.8	1121.8
22.5°	1104.3	1106.9	1107.9	1108.5	1107.9
25°	1089.1	1092.0	1094.0	1093.3	1092.4
27.5°	1070.7	1073.9	1076.5	1074.9	1072.9
30°	1050.0	1052.9	1056.8	1053.9	1051.9
32.5°	1024.4	1029.9	1033.5	1029.9	1027.0
35°	998.9	1003.4	1006.6	1001.8	997.9
37.5°	967.8	973.3	976.2	969.4	965.2
40°	935.2	940.6	942.3	933.5	928.0
42.5°	898.0	904.1	904.7	892.5	886.3
45°	858.2	863.7	861.4	847.2	840.7
47.5°	815.1	819.0	814.2	799.6	792.5
50°	767.9	770.2	764.4	747.2	740.4
52.5°	718.1	717.8	710.3	693.2	685.8
55°	663.4	660.8	652.8	635.6	629.5
57.5°	607.5	599.4	590.7	576.1	568.0
60°	543.1	537.0	529.2	514.6	508.5
62.5°	482.3	471.3	464.8	451.9	446.4
65°	414.0	404.0	398.8	390.1	382.7
67.5°	345.5	337.7	334.1	328.0	321.2
70°	276.2	274.0	272.0	266.2	262.0
72.5°	215.1	214.5	214.1	210.9	206.7
75°	159.8	160.8	161.4	158.5	154.9
77.5°	113.9	115.5	115.2	113.5	112.6
80°	74.4	75.7	76.7	75.0	75.0
82.5°	45.0	46.3	45.9	46.6	45.3
85°	22.3	23.3	23.3	23.0	22.6
87.5°	8.1	8.4	8.1	8.4	8.1
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)