

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: P506612

Luminaire Tested: **24PD-35-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506612
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-35-PW1-L840
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

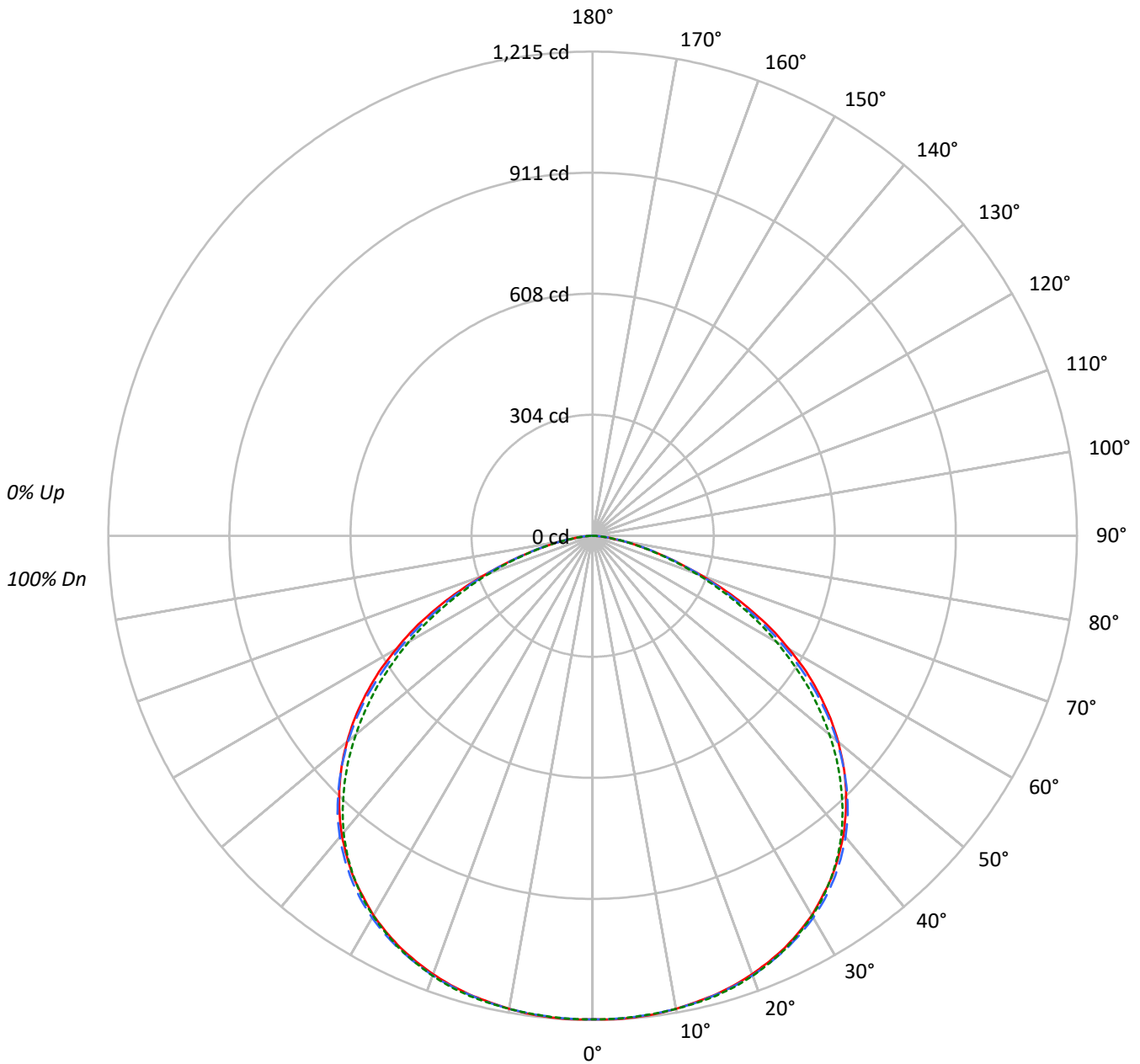
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3558.6 lumens
Efficiency: N/A
Efficacy: 140.7 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): 25.3
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	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°	1633	1633	1633
5°	1639	1637	1637
10°	1647	1647	1647
15°	1660	1662	1665
20°	1676	1681	1682
25°	1693	1701	1699
30°	1709	1720	1712
35°	1718	1732	1717
40°	1720	1733	1707
45°	1710	1717	1675
50°	1684	1676	1623
55°	1630	1604	1547
60°	1531	1491	1433
65°	1380	1330	1276
70°	1138	1121	1079
75°	870	879	844
80°	604	622	609
85°	361	377	366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.2
10°-20°	337.4	9.5
20°-30°	527.6	14.8
30°-40°	656.3	18.4
40°-50°	689.7	19.4
50°-60°	605.4	17.0
60°-70°	412.2	11.6
70°-80°	181.8	5.1
80°-90°	32.7	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°	980.4	27.6
0°-40°	1636.7	46.0
0°-60°	2931.8	82.4
0°-90°	3558.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3558.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1213	1213	1212	1210	1212	116
15°	1192	1193	1193	1193	1195	337
25°	1141	1144	1146	1145	1144	526
35°	1046	1051	1054	1049	1045	654
45°	899	904	902	887	880	692
55°	695	692	684	666	659	619
65°	434	423	418	409	401	427
75°	167	168	169	166	162	183
85°	23	24	24	24	24	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1213.5	1213.5	1213.5	1213.5	1213.5
2.5°	1214.9	1214.2	1213.5	1212.5	1213.5
5°	1213.2	1212.8	1211.8	1210.5	1211.8
7.5°	1210.5	1210.5	1209.4	1208.4	1209.1
10°	1205.4	1206.4	1205.4	1204.4	1205.7
12.5°	1198.6	1200.3	1199.9	1199.9	1201.0
15°	1191.8	1193.2	1192.8	1192.8	1195.2
17.5°	1182.3	1184.0	1184.4	1185.0	1186.4
20°	1170.5	1172.8	1174.2	1173.9	1174.9
22.5°	1156.6	1159.3	1160.3	1161.0	1160.3
25°	1140.7	1143.7	1145.7	1145.1	1144.1
27.5°	1121.4	1124.7	1127.5	1125.8	1123.7
30°	1099.7	1102.7	1106.8	1103.7	1101.7
32.5°	1072.9	1078.7	1082.4	1078.7	1075.6
35°	1046.1	1050.9	1054.3	1049.2	1045.1
37.5°	1013.6	1019.4	1022.4	1015.3	1010.9
40°	979.4	985.2	986.9	977.7	972.0
42.5°	940.4	946.9	947.6	934.7	928.2
45°	898.8	904.5	902.2	887.3	880.5
47.5°	853.7	857.8	852.7	837.5	830.0
50°	804.3	806.6	800.5	782.6	775.5
52.5°	752.1	751.7	744.0	726.0	718.2
55°	694.8	692.1	683.7	665.7	659.3
57.5°	636.2	627.8	618.6	603.4	594.9
60°	568.8	562.4	554.2	539.0	532.6
62.5°	505.1	493.6	486.8	473.3	467.5
65°	433.6	423.1	417.7	408.6	400.8
67.5°	361.8	353.7	350.0	343.5	336.4
70°	289.3	286.9	284.9	278.8	274.4
72.5°	225.3	224.6	224.3	220.9	216.5
75°	167.4	168.4	169.0	166.0	162.3
77.5°	119.2	120.9	120.6	118.9	117.9
80°	77.9	79.3	80.3	78.6	78.6
82.5°	47.1	48.4	48.1	48.8	47.4
85°	23.4	24.4	24.4	24.1	23.7
87.5°	8.5	8.8	8.5	8.8	8.5
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)