

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: P506611

Luminaire Tested: **24PD-35-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506611
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-L835
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

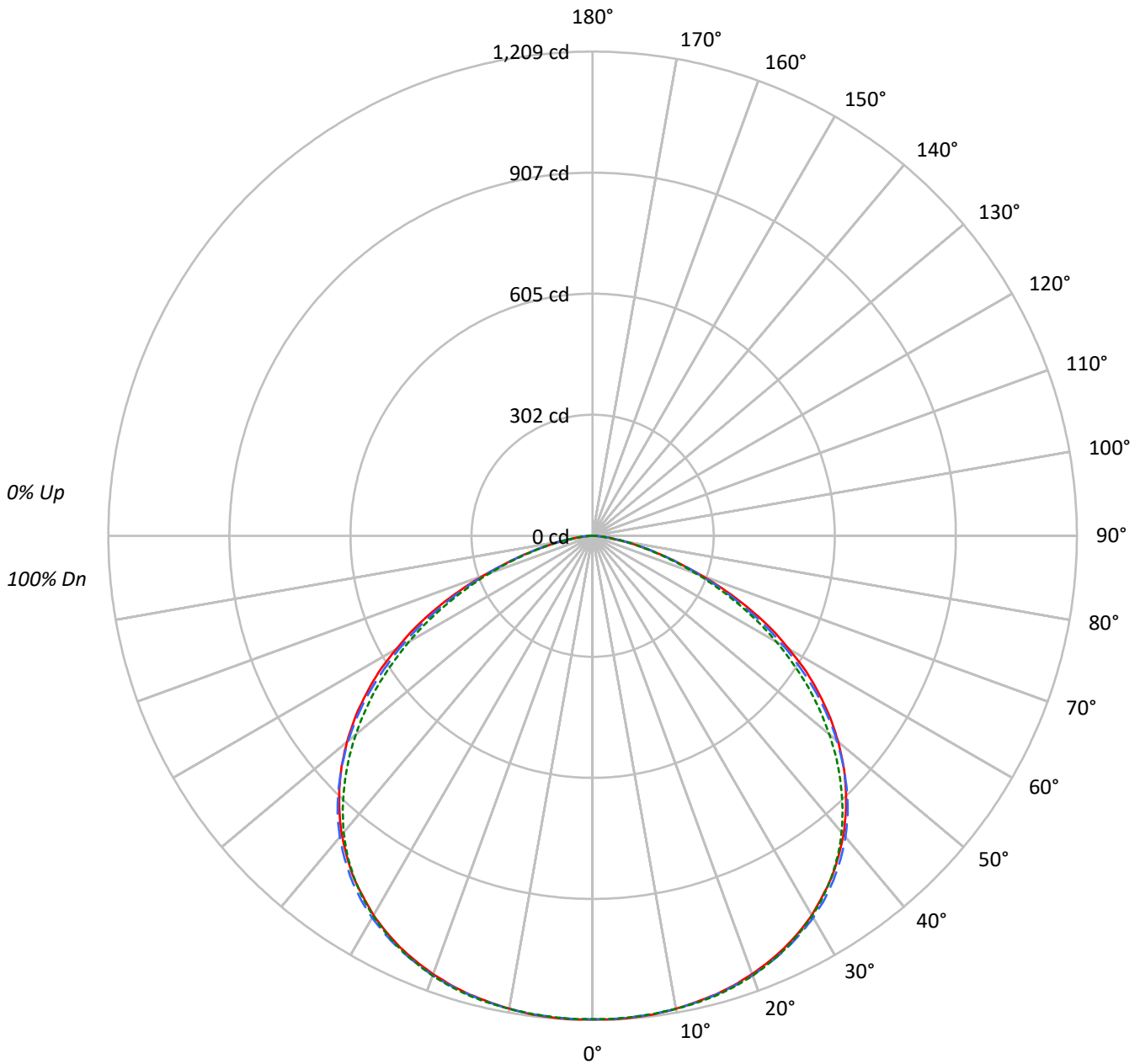
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3540.5 lumens
Efficiency: N/A
Efficacy: 139.9 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

TEST NUMBER: P506611
CATALOG NUMBER: 24PD-35-PW1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P506611

CATALOG NUMBER: 24PD-35-PW1-L835

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°	1624	1624	1624
5°	1630	1628	1628
10°	1638	1638	1639
15°	1652	1653	1656
20°	1667	1673	1674
25°	1685	1692	1690
30°	1700	1711	1703
35°	1710	1723	1708
40°	1711	1724	1698
45°	1701	1708	1667
50°	1675	1667	1615
55°	1622	1596	1539
60°	1523	1484	1426
65°	1373	1323	1269
70°	1132	1115	1074
75°	866	874	839
80°	600	619	606
85°	360	375	364



TEST NUMBER: P506611

CATALOG NUMBER: 24PD-35-PW1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	3.2
10°-20°	335.6	9.5
20°-30°	524.9	14.8
30°-40°	652.9	18.4
40°-50°	686.2	19.4
50°-60°	602.3	17.0
60°-70°	410.1	11.6
70°-80°	180.9	5.1
80°-90°	32.6	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°	975.5	27.6
0°-40°	1628.4	46.0
0°-60°	2916.9	82.4
0°-90°	3540.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3540.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1207	1207	1206	1204	1206	115
15°	1186	1187	1187	1187	1189	335
25°	1135	1138	1140	1139	1138	523
35°	1041	1046	1049	1044	1040	650
45°	894	900	898	883	876	689
55°	691	689	680	662	656	616
65°	431	421	416	406	399	425
75°	166	168	168	165	161	182
85°	23	24	24	24	24	32
90°	0	0	0	0	0	



TEST NUMBER: P506611

CATALOG NUMBER: 24PD-35-PW1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1207.3	1207.3	1207.3	1207.3	1207.3
2.5°	1208.7	1208.0	1207.3	1206.3	1207.3
5°	1207.0	1206.7	1205.6	1204.3	1205.6
7.5°	1204.3	1204.3	1203.3	1202.3	1202.9
10°	1199.2	1200.3	1199.2	1198.2	1199.6
12.5°	1192.5	1194.2	1193.8	1193.8	1194.9
15°	1185.8	1187.1	1186.8	1186.8	1189.1
17.5°	1176.3	1178.0	1178.3	1179.0	1180.4
20°	1164.5	1166.9	1168.2	1167.9	1168.9
22.5°	1150.7	1153.4	1154.4	1155.1	1154.4
25°	1134.9	1137.9	1139.9	1139.2	1138.2
27.5°	1115.7	1119.0	1121.7	1120.0	1118.0
30°	1094.1	1097.1	1101.2	1098.1	1096.1
32.5°	1067.5	1073.2	1076.9	1073.2	1070.1
35°	1040.8	1045.5	1048.9	1043.9	1039.8
37.5°	1008.5	1014.2	1017.2	1010.2	1005.8
40°	974.4	980.2	981.8	972.7	967.0
42.5°	935.7	942.1	942.7	929.9	923.5
45°	894.2	899.9	897.6	882.7	876.0
47.5°	849.4	853.4	848.4	833.2	825.8
50°	800.2	802.5	796.5	778.6	771.5
52.5°	748.3	747.9	740.2	722.3	714.6
55°	691.3	688.6	680.2	662.3	655.9
57.5°	633.0	624.6	615.5	600.3	591.9
60°	565.9	559.5	551.4	536.3	529.9
62.5°	502.5	491.1	484.3	470.9	465.1
65°	431.4	421.0	415.6	406.5	398.7
67.5°	360.0	351.9	348.2	341.8	334.7
70°	287.8	285.5	283.5	277.4	273.0
72.5°	224.1	223.5	223.1	219.8	215.4
75°	166.5	167.5	168.2	165.2	161.4
77.5°	118.6	120.3	120.0	118.3	117.3
80°	77.5	78.9	79.9	78.2	78.2
82.5°	46.9	48.2	47.9	48.5	47.2
85°	23.3	24.3	24.3	23.9	23.6
87.5°	8.4	8.8	8.4	8.8	8.4
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)