

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: P506261

Luminaire Tested: **22PD-35-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PW1-L840
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

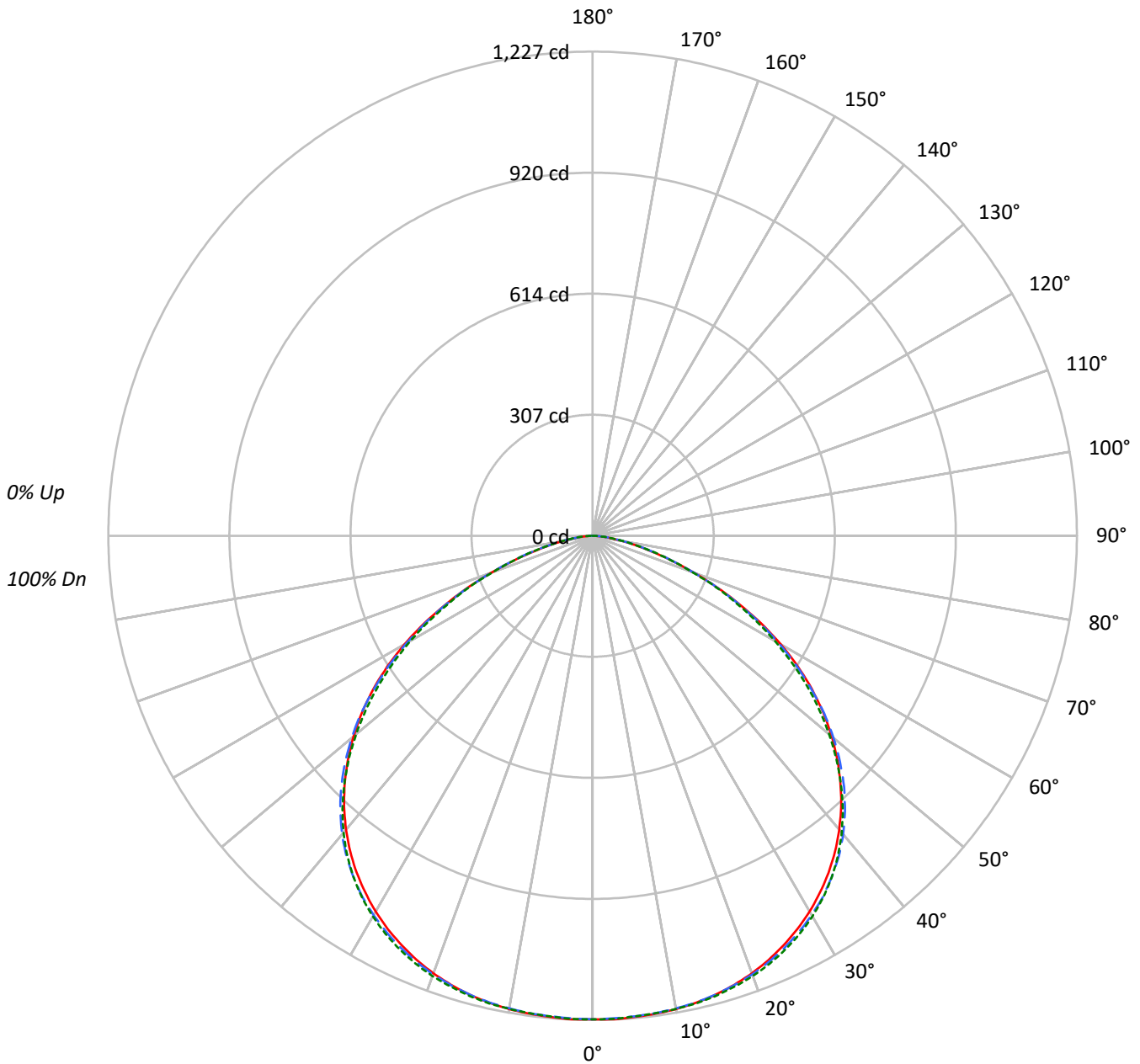
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3542.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				20				
RC	80				70				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	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3298	3298	3298
5°	3307	3302	3303
10°	3328	3324	3327
15°	3355	3353	3363
20°	3379	3387	3400
25°	3399	3419	3434
30°	3416	3449	3461
35°	3424	3469	3470
40°	3414	3470	3450
45°	3381	3429	3387
50°	3311	3335	3275
55°	3183	3169	3109
60°	2963	2930	2869
65°	2613	2588	2538
70°	2140	2150	2105
75°	1621	1676	1663
80°	1175	1221	1201
85°	772	797	852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	3.3
10°-20°	340.4	9.6
20°-30°	530.6	15.0
30°-40°	657.7	18.6
40°-50°	688.2	19.4
50°-60°	599.7	16.9
60°-70°	401.7	11.3
70°-80°	174.1	4.9
80°-90°	33.5	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°	987.5	27.9
0°-40°	1645.2	46.4
0°-60°	2933.1	82.8
0°-90°	3542.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3542.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1224	1223	1222	1222	1223	117
15°	1204	1202	1204	1205	1207	340
25°	1145	1145	1152	1155	1157	528
35°	1042	1046	1056	1057	1056	652
45°	888	893	901	894	890	684
55°	678	678	675	668	663	604
65°	410	408	406	402	399	406
75°	156	159	161	160	160	172
85°	25	27	26	26	28	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1225.5	1225.5	1225.5	1225.5	1225.5
2.5°	1226.8	1224.6	1224.2	1224.2	1225.5
5°	1224.2	1222.9	1222.4	1222.0	1222.9
7.5°	1221.6	1219.8	1220.3	1219.4	1220.3
10°	1218.1	1216.3	1216.3	1216.3	1217.6
12.5°	1211.9	1210.6	1211.1	1211.9	1213.7
15°	1204.1	1202.3	1203.6	1204.9	1207.1
17.5°	1193.1	1191.8	1194.0	1196.2	1197.9
20°	1180.0	1178.6	1182.6	1185.7	1187.4
22.5°	1163.8	1163.3	1168.6	1172.1	1173.4
25°	1144.9	1145.4	1151.5	1155.0	1156.7
27.5°	1123.5	1124.3	1132.2	1135.3	1137.0
30°	1099.4	1101.6	1109.9	1112.5	1113.8
32.5°	1072.2	1075.3	1085.4	1087.1	1087.1
35°	1042.4	1046.4	1056.0	1057.3	1056.4
37.5°	1009.1	1013.5	1024.5	1022.7	1021.4
40°	971.9	976.7	987.7	984.2	982.0
42.5°	932.1	936.9	946.5	941.3	938.2
45°	888.3	893.1	901.0	893.5	890.0
47.5°	841.0	846.6	850.6	842.3	837.9
50°	791.0	792.8	796.7	787.1	782.3
52.5°	736.7	736.7	739.8	729.3	723.6
55°	678.5	678.0	675.4	667.9	662.7
57.5°	616.7	614.1	612.3	604.4	598.3
60°	550.6	546.6	544.4	537.9	533.0
62.5°	481.4	479.2	476.5	471.3	466.0
65°	410.4	408.2	406.5	402.5	398.6
67.5°	339.9	338.6	338.6	335.9	335.5
70°	272.0	272.9	273.3	273.3	267.6
72.5°	210.7	211.1	213.3	211.6	211.1
75°	155.9	158.6	161.2	159.9	159.9
77.5°	112.1	116.1	116.1	115.2	113.9
80°	75.8	77.5	78.8	78.4	77.5
82.5°	48.2	49.5	48.2	49.1	49.5
85°	25.0	26.7	25.8	26.3	27.6
87.5°	8.3	9.2	9.6	9.2	9.2
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)