

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: PORTFOLIO

Report Number: P248168

Luminaire Tested: **LD8B150D010 ER8B150835 8LBW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-73)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B150D010 ER8B150835 8LBW0GPH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14521.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

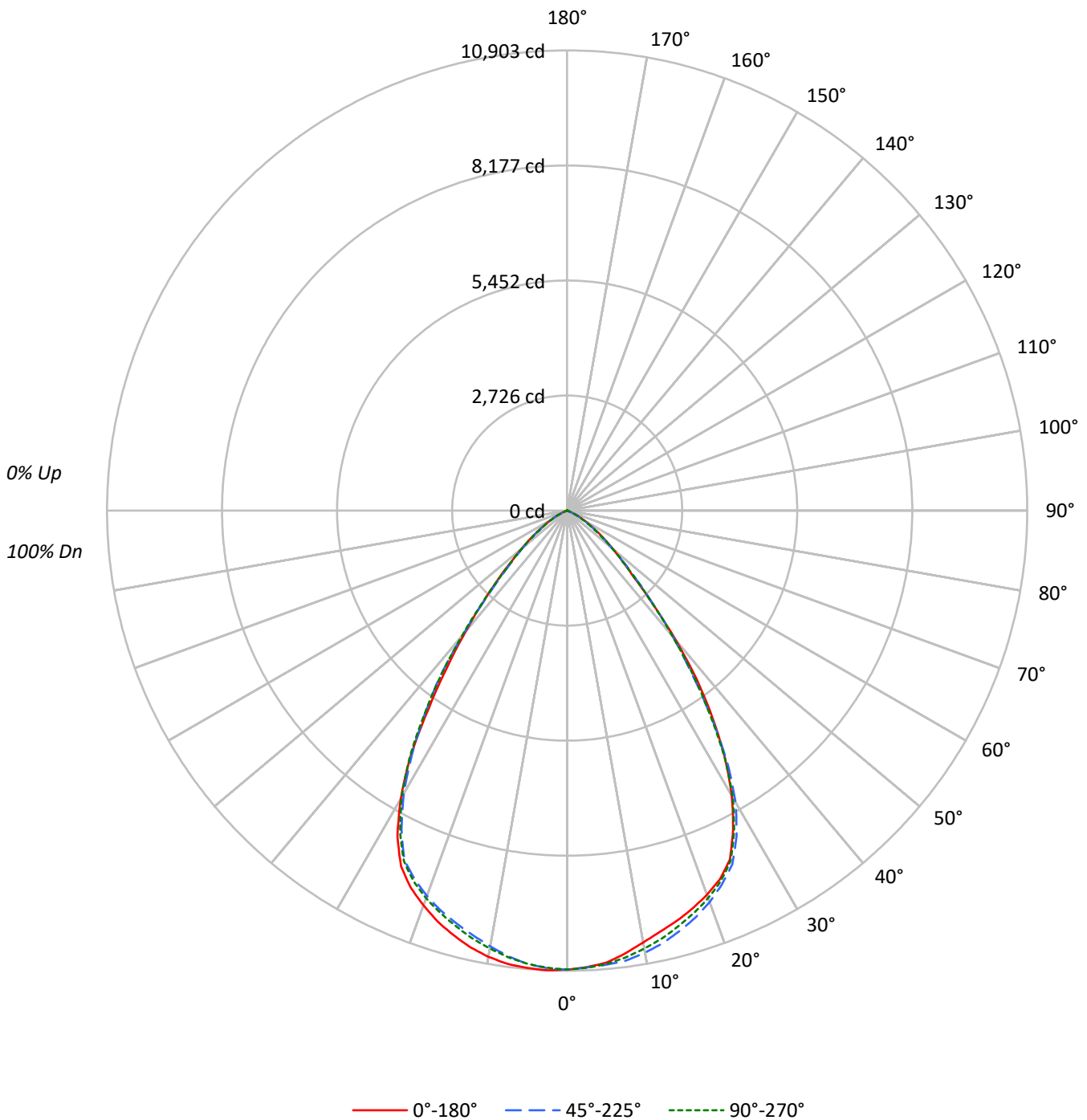
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84					84			
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69					69			
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63					63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58					58			
7	78	68	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53					53			
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49					49			
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45					45			
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	335376	335376	335376
5°	332788	333716	336750
10°	325301	329903	336166
15°	321125	325434	332426
20°	317849	320638	326644
25°	310402	311661	316628
30°	277839	279263	280830
35°	226430	221875	215325
40°	160573	156105	150349
45°	97903	99560	101566
50°	67642	66394	67786
55°	45912	42687	44031
60°	29788	25964	27259
65°	15687	12477	13426
70°	4147	3516	3156
75°	715	1430	834
80°	0	0	355
85°	708	708	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.6	7.0
10°-20°	2880.8	19.8
20°-30°	4154.2	28.6
30°-40°	3648.4	25.1
40°-50°	1844.8	12.7
50°-60°	755.1	5.2
60°-70°	198.5	1.4
70°-80°	14.0	0.1
80°-90°	2.5	0.0
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°	8057.7	55.5
0°-40°	11706.0	80.6
0°-60°	14306.0	98.5
0°-90°	14521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14521.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10876	10876	10876	10876	10876	
5°	10751	10800	10781	10781	10879	###
15°	10059	10308	10194	10128	10413	2838
25°	9123	9254	9160	9127	9306	4122
35°	6015	5912	5894	5869	5720	3708
45°	2245	2350	2283	2225	2329	1852
55°	854	820	794	792	819	789
65°	215	191	171	169	184	220
75°	6	4	12	4	7	15
85°	2	2	2	1	2	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	10876	10876	10876	10876	10876	10876	10876	10876	10876
2.5°	10826	10879	10832	10860	10841	10810	10853	10833	10903
5°	10751	10815	10800	10835	10781	10724	10781	10786	10879
7.5°	10580	10690	10753	10795	10676	10583	10651	10712	10832
10°	10389	10522	10636	10701	10536	10400	10481	10585	10736
12.5°	10213	10360	10495	10558	10384	10231	10308	10437	10599
15°	10059	10180	10308	10373	10194	10049	10128	10247	10413
17.5°	9883	9997	10110	10161	9995	9869	9941	10043	10208
20°	9686	9784	9870	9930	9771	9651	9716	9811	9954
22.5°	9455	9529	9585	9639	9510	9391	9447	9522	9673
25°	9123	9198	9254	9315	9160	9058	9127	9159	9306
27.5°	8515	8610	8694	8748	8571	8483	8501	8554	8710
30°	7803	7849	7977	7993	7843	7690	7739	7795	7887
32.5°	6957	6983	7057	7065	6953	6835	6836	6811	6904
35°	6015	5956	5912	5942	5894	5915	5869	5754	5720
37.5°	5042	5004	4811	4796	4908	4976	4931	4675	4657
40°	3989	3946	3874	3863	3878	3917	3834	3758	3735
42.5°	2985	3008	3031	3052	3009	2925	2921	2907	2961
45°	2245	2294	2350	2378	2283	2218	2225	2256	2329
47.5°	1775	1785	1806	1830	1774	1691	1713	1763	1795
50°	1410	1420	1414	1411	1384	1334	1365	1402	1413
52.5°	1112	1099	1088	1081	1064	1044	1050	1081	1098
55°	854	844	820	810	794	789	792	816	819
57.5°	642	628	604	585	586	578	582	599	608
60°	483	474	432	435	421	419	428	438	442
62.5°	334	337	305	301	294	295	301	309	310
65°	215	202	191	183	171	165	169	191	184
67.5°	84	89	72	84	78	66	76	85	81
70°	46	47	39	37	39	36	41	46	35
72.5°	29	29	21	21	27	18	21	33	26
75°	6	7	4	2	12	6	4	12	7
77.5°	0	7	0	0	0	0	2	2	2
80°	0	0	0	3	0	0	0	2	2
82.5°	0	2	0	0	0	0	0	2	0
85°	2	8	2	0	2	2	1	6	2
87.5°	13	6	1	6	5	6	7	6	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)