

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: P249655

Luminaire Tested: **LD8B150D010 ER8B150930 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B150D010 ER8B150930 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13341.1 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

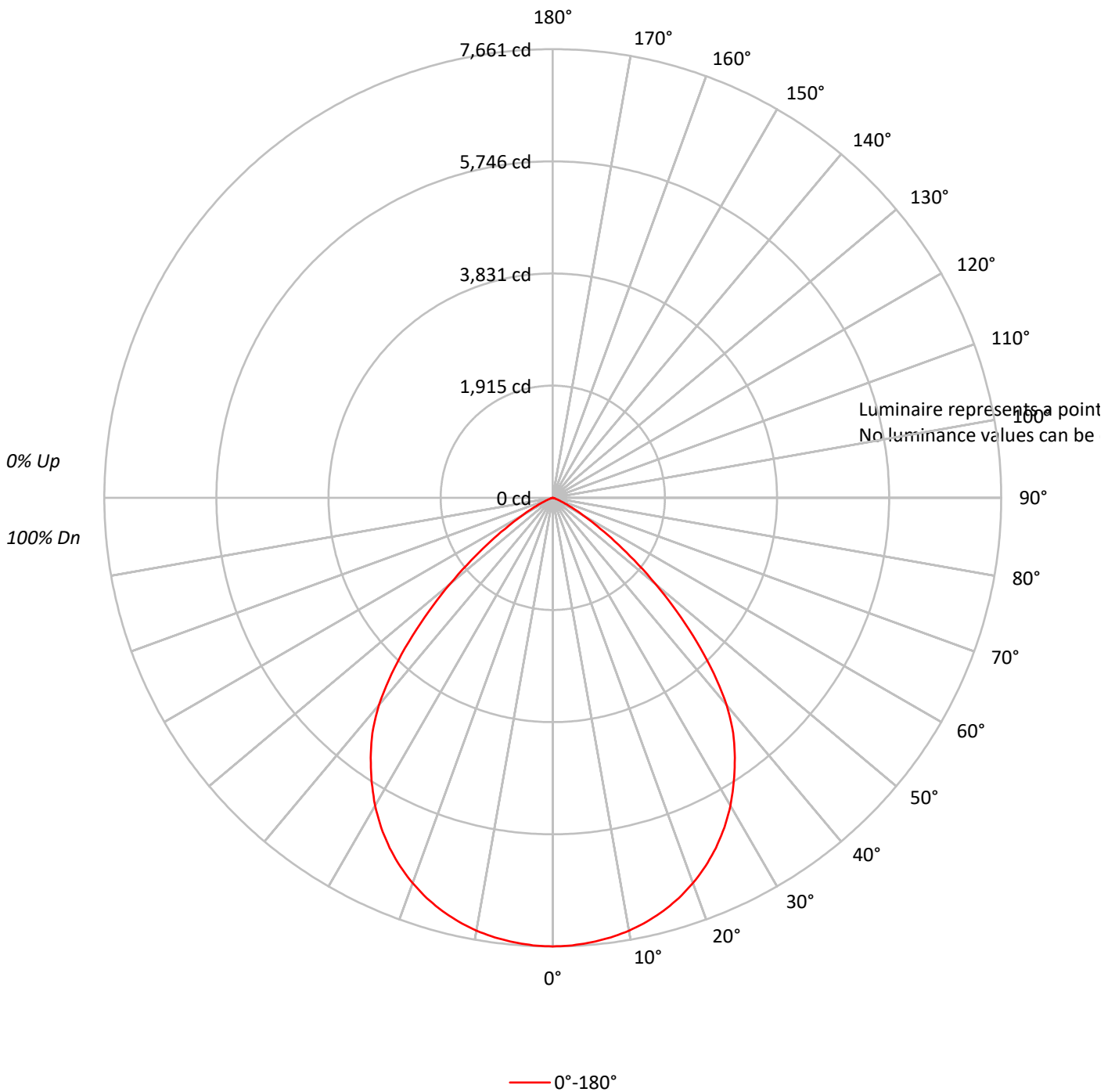
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61		70	64	60		68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38		47	42	38		47	41	38	36

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.7	5.4
10°-20°	2057.5	15.4
20°-30°	3029.9	22.7
30°-40°	3373.6	25.3
40°-50°	2664.4	20.0
50°-60°	1194.5	9.0
60°-70°	263.7	2.0
70°-80°	29.8	0.2
80°-90°	3.9	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°	5811.2	43.6
0°-40°	9184.7	68.8
0°-60°	13043.7	97.8
0°-90°	13341.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13341.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7661	
5°	7619	724
15°	7302	2058
25°	6596	3030
35°	5423	3374
45°	3482	2664
55°	1290	1195
65°	231	264
75°	24	30
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7660.9
2.5°	7649.4
5°	7618.8
7.5°	7571.7
10°	7504.9
12.5°	7414.9
15°	7302.5
17.5°	7165.4
20°	7001.1
22.5°	6812.0
25°	6596.4
27.5°	6347.9
30°	6072.1
32.5°	5755.8
35°	5422.9
37.5°	5065.5
40°	4622.8
42.5°	4075.3
45°	3481.6
47.5°	2877.0
50°	2290.0
52.5°	1753.1
55°	1289.9
57.5°	900.9
60°	603.7
62.5°	382.4
65°	231.3
67.5°	128.8
70°	63.6
72.5°	34.6
75°	24.0
77.5°	17.4
80°	10.8
82.5°	5.8
85°	2.5
87.5°	0.8
90°	0.0

(END OF REPORT)