

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: P251297

Luminaire Tested: **LD8B70D010 ER8B70930 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70930 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6906.4 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

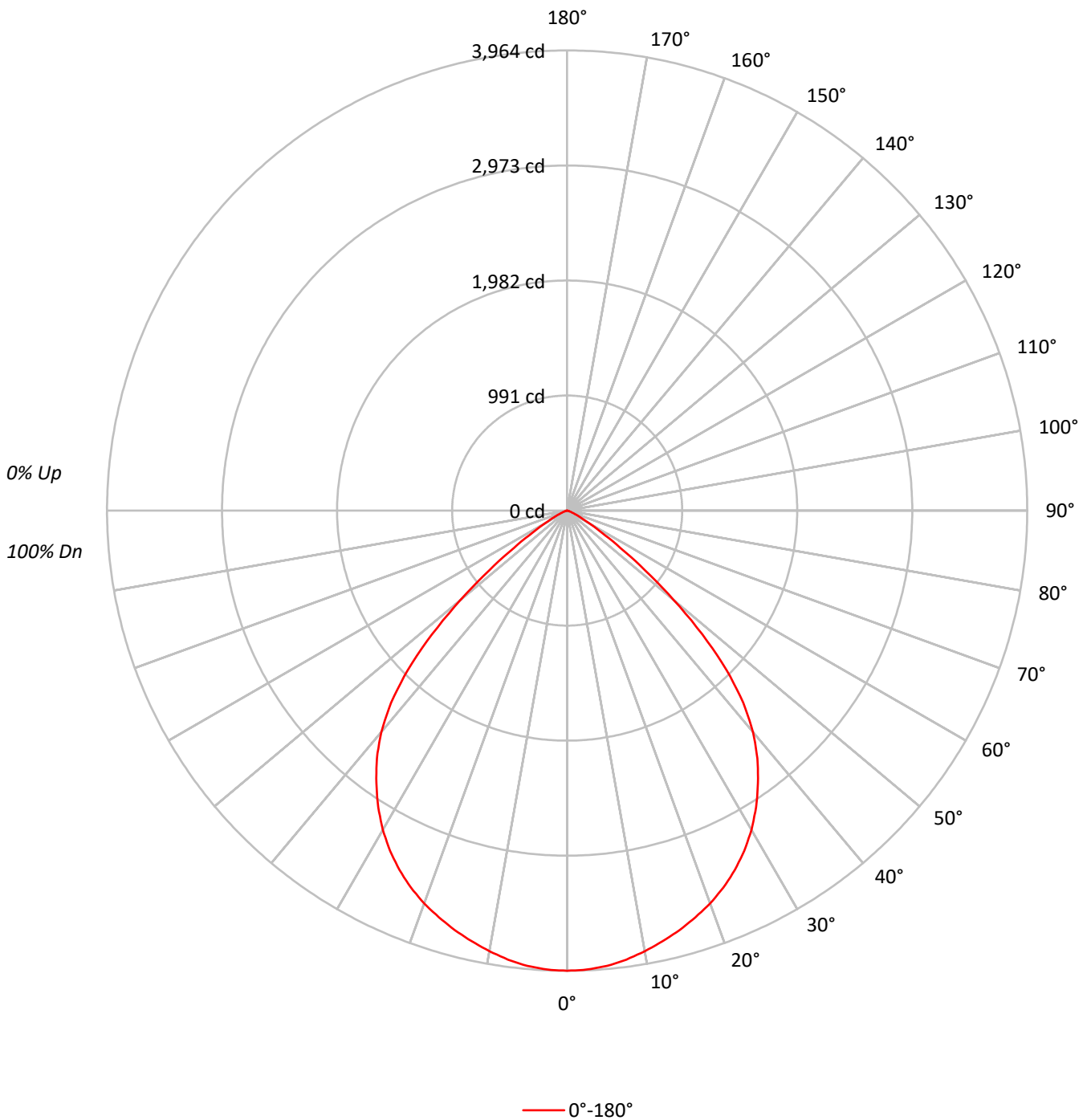
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122244
5°	121876
10°	120673
15°	119434
20°	118181
25°	116250
30°	113069
35°	107915
40°	100341
45°	84719
50°	57519
55°	30047
60°	13482
65°	6574
70°	2642
75°	1620
80°	1190
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.1	5.4
10°-20°	1055.3	15.3
20°-30°	1570.9	22.7
30°-40°	1785.7	25.9
40°-50°	1460.2	21.1
50°-60°	544.3	7.9
60°-70°	99.5	1.4
70°-80°	15.4	0.2
80°-90°	2.1	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°	2999.3	43.4
0°-40°	4784.9	69.3
0°-60°	6789.4	98.3
0°-90°	6906.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6906.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3964	
5°	3937	373
15°	3741	1055
25°	3417	1571
35°	2867	1786
45°	1943	1460
55°	559	544
65°	90	99
75°	14	15
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3964.3
2.5°	3957.6
5°	3937.3
7.5°	3901.2
10°	3853.9
12.5°	3799.7
15°	3741.2
17.5°	3673.6
20°	3601.4
22.5°	3515.8
25°	3416.7
27.5°	3303.9
30°	3175.5
32.5°	3029.1
35°	2866.7
37.5°	2693.2
40°	2492.7
42.5°	2244.7
45°	1942.7
47.5°	1579.8
50°	1199.0
52.5°	845.1
55°	558.9
57.5°	351.5
60°	218.6
62.5°	139.7
65°	90.1
67.5°	51.8
70°	29.3
72.5°	18.0
75°	13.6
77.5°	9.0
80°	6.7
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)