

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: P245758

Luminaire Tested: **LSR8B40D010 EC8B40835 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245758
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: LSR8B40D010 EC8B40835 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.0 lumens
Efficiency: N/A
Efficacy: 106.6 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

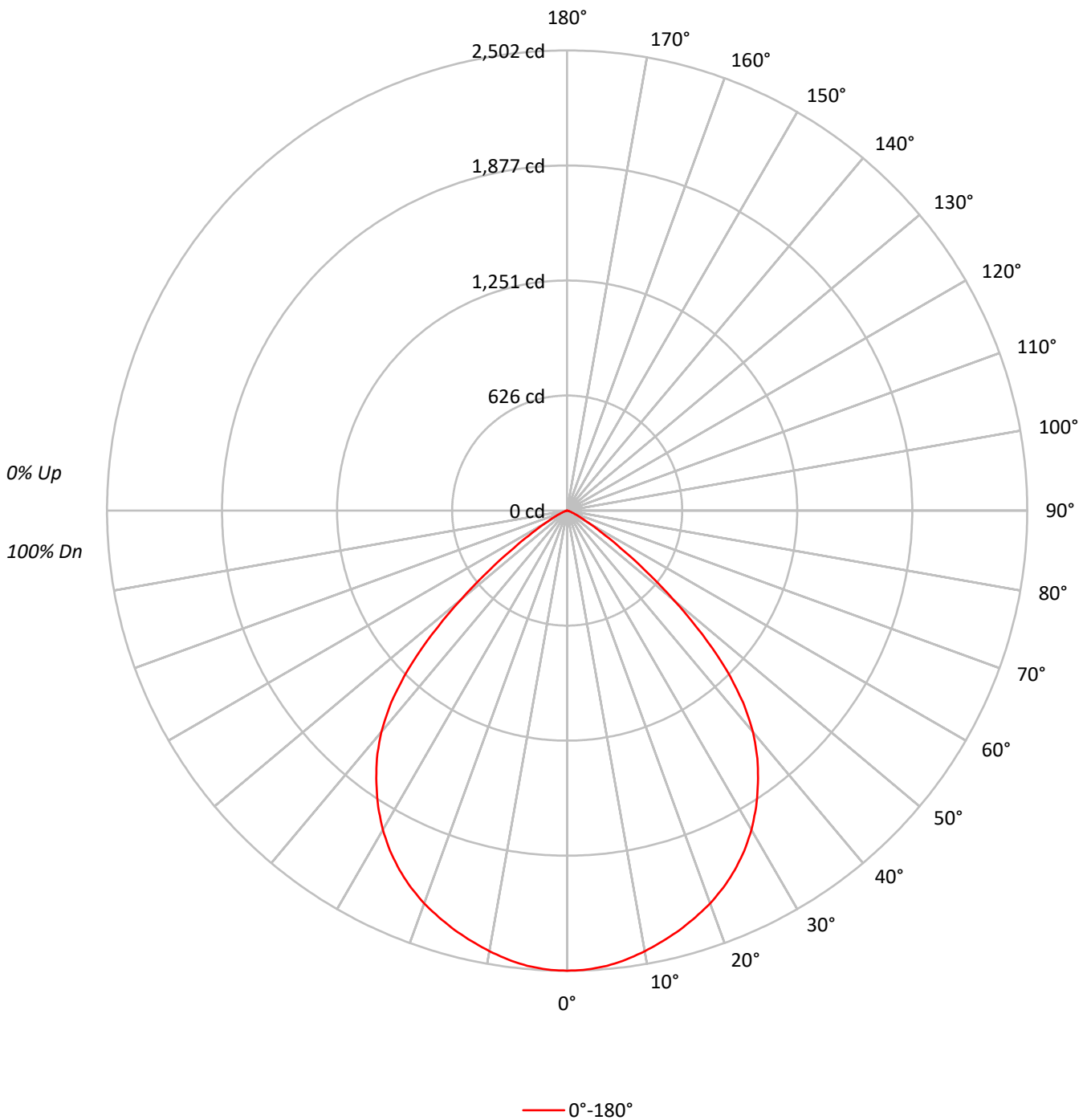
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	77156
5°	76921
10°	76163
15°	75379
20°	74589
25°	73370
30°	71363
35°	68110
40°	63328
45°	53469
50°	36301
55°	18967
60°	8511
65°	4152
70°	1668
75°	1013
80°	764
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	5.4
10°-20°	666.0	15.3
20°-30°	991.4	22.7
30°-40°	1127.0	25.9
40°-50°	921.6	21.1
50°-60°	343.5	7.9
60°-70°	62.8	1.4
70°-80°	9.7	0.2
80°-90°	1.3	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°	1893.0	43.4
0°-40°	3020.0	69.3
0°-60°	4285.1	98.3
0°-90°	4359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4359.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2502	
5°	2485	235
15°	2361	666
25°	2156	991
35°	1809	1127
45°	1226	922
55°	353	344
65°	57	63
75°	8	10
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2502.1
2.5°	2497.8
5°	2485.0
7.5°	2462.2
10°	2432.4
12.5°	2398.2
15°	2361.2
17.5°	2318.6
20°	2273.0
22.5°	2219.0
25°	2156.4
27.5°	2085.3
30°	2004.2
32.5°	1911.7
35°	1809.3
37.5°	1699.8
40°	1573.2
42.5°	1416.7
45°	1226.1
47.5°	997.1
50°	756.7
52.5°	533.4
55°	352.8
57.5°	221.9
60°	138.0
62.5°	88.2
65°	56.9
67.5°	32.7
70°	18.5
72.5°	11.4
75°	8.5
77.5°	5.7
80°	4.3
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)